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NAVMC DIRECTIVE 3500.41

From: Commandant of the Marine Corps  
To: Distribution List

Subj: SIGNALS INTELLIGENCE TRAINING AND READINESS MANUAL, (SHORT TITLE:  
SIGINT T&R MANUAL)

Ref: (a) MCO P3500.72A  
(b) MCO 1553.3A  
(c) MCO 3400.3F  
(d) MCO 3500.27B W/Erratum  
(e) MCRP 3-0A  
(f) MCRP 3-0B  
(g) MCO 1553.2A

1. Purpose. Per reference (a), this T&R Manual establishes Core Capability Mission Essential Tasks (METs) for readiness reporting and required events for standardized training of Marines and Navy personnel assigned to perform signals intelligence functions. Additionally, it provides tasking for formal schools preparing personnel for service in Marine Corps signals intelligence.

2. Cancellation. MCO 1510.50 Signals Intelligence ITS Manual

3. Scope

a. The Core Capability Mission Essential Task List (METL) in this manual is used in Defense Readiness Reporting System (DRRS) by the Marine Corps Signals Intelligence Community for the assessment and reporting of unit readiness. Units achieve training readiness for reporting in DRRS by gaining and sustaining proficiency in the training events in this manual at both collective (unit) and individual levels.

b. Per reference (b), commanders will conduct an internal assessment of the unit's ability to execute each MET, and develop long-, mid-, and short-range training plans to sustain proficiency in each MET. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, identify training gaps, and document objective assessments of readiness associated with training Marines. Commanders will use reference (c) to incorporate nuclear, biological, and chemical defense training into training plans and reference (d) to integrate operational risk management. References (e) and (f) provide amplifying information for effective planning and management of training within the unit.

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14 Sep 06

c. Formal school and training detachment commanders will use references (a) and (g) to ensure programs of instruction meet skill training requirements established in this manual, and provide career-progression training in the events designated for initial training in the formal school environment.

4. Information. CG, TECOM will update this T&R Manual as necessary to provide current and relevant training standards to commanders, and to ensure a current Core Capabilities METL is available for use in DRRS by the Marine Corps Signals Intelligence Community. All questions pertaining to the Marine Corps Ground T&R Program and Unit Training Management should be directed to: Commanding General, TECOM (Ground Training Branch C 469), 1019 Elliot Road, Quantico, VA 22134.

5. Command. This Directive is applicable to the Marine Corps Total Force.

6. Certification. Reviewed and approved this date.

  
GEORGE J. FLYNN  
By direction

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SIGINT T&R MANUAL

TABLE OF CONTENTS

CHAPTER

1 . . . . .	OVERVIEW
2 . . . . .	MISSION ESSENTIAL TASKS MATRIX
3 . . . . .	COLLECTIVE EVENTS
4 . . . . .	INDIVIDUAL EVENTS MOS 2602
5 . . . . .	INDIVIDUAL EVENTS MOS 2611
6 . . . . .	INDIVIDUAL EVENTS MOS 2621
7 . . . . .	INDIVIDUAL EVENTS MOS 2629
8 . . . . .	INDIVIDUAL EVENTS MOS 2631
9 . . . . .	INDIVIDUAL EVENTS MOS 2651
10. . . . .	INDIVIDUAL EVENTS MOS 2670
11. . . . .	INDIVIDUAL EVENTS MOS 2691

APPENDICES

A . . . . .	ACRONYMS AND ABBREVIATIONS
B . . . . .	TERMS AND DEFINITIONS

SIGINT T&R MANUAL

CHAPTER 1

OVERVIEW

	<u>PARAGRAPH</u>	<u>PAGE</u>
INTRODUCTION. . . . .	1000	1-2
UNIT TRAINING . . . . .	1001	1-2
UNIT TRAINING MANAGEMENT. . . . .	1002	1-3
SUSTAINMENT AND EVALUATION OF TRAINING. . . . .	1003	1-3
ORGANIZATION. . . . .	1004	1-4
T&R EVENT CODING. . . . .	1005	1-4
COMBAT READINESS PERCENTAGE. . . . .	1006	1-5
EVALUATION-CODED (E-CODED) EVENTS . . . . .	1007	1-6
CRP CALCULATION . . . . .	1008	1-6
T&R EVENT COMPOSITION . . . . .	1009	1-7
NBC TRAINING. . . . .	1010	1-9
NIGHT TRAINING. . . . .	1011	1-9
OPERATIONAL RISK MANAGEMENT (ORM) . . . . .	1012	1-10
MARINE CORPS GROUND T&R PROGRAM . . . . .	1013	1-10

## 1000. INTRODUCTION

1. The T&R Program is the Corps' primary tool for planning, conducting and evaluating training, and assessing training readiness. Subject Matter Experts (SMEs) from the operating forces developed core capability Mission Essential Task Lists (METLs) for ground communities derived from the Marine Corps Task List (MCTL). T&R Manuals are built around these METLs and all events contained in T&R Manuals relate directly to this METL. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.
2. The T&R Manual contains the individual and collective training requirements to prepare the Signals Intelligence Community to accomplish their mission. The T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to accomplish training. Instead, it identifies the minimum standards that Marines must be able to perform in their MOS. The T&R Manual is a fundamental tool for commanders to build and maintain unit readiness. Using this tool, leaders can construct and execute an effective training plan that supports the unit's METL. More detailed information on the Marine Corps Ground T&R Program is found in reference (a).

## 1001. UNIT TRAINING

1. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit readiness. A Marine's ability to perform critical skills required is essential. However, it is not necessary to have all individuals within a unit fully trained in order for that organization to accomplish its assigned tasks. Manpower shortfalls, temporary assignments, leave, or other factors outside the commander's control, often affect the ability to conduct individual training. During these periods, unit readiness is enhanced if emphasis is placed on the individual training of Marines on-hand. Subsequently, these Marines will be mission ready and capable of executing as part of a team when the full complement of personnel is available.
2. Commanders will ensure that all tactical training is focused on their combat mission. The T&R Manual is a tool to help develop the unit's training plan. In most cases, unit training should focus on achieving unit proficiency in the core capabilities METL. However, commanders will adjust their training focus to support METLs associated with a major OPLAN/CONPLAN or named operation as designated by their higher commander and reported accordingly in the Defense Readiness Reporting System (DRRS). Tactical training will support the METL in use by the commander and be tailored to meet T&R standards. Commanders at all levels are responsible for effective training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be over emphasized.
3. Commanders will provide personnel the opportunity to attend formal and operational level courses of instruction as required by this Manual.

14 Sep 06

Attendance at all formal courses must enhance the warfighting capabilities of the unit as determined by the unit commander.

#### 1002. UNIT TRAINING MANAGEMENT

1. Unit Training Management (UTM) is the application of the Systems Approach to Training (SAT) and the Marine Corps Training Principles. This is accomplished in a manner that maximizes training results and focuses the training priorities of the unit in preparation for the conduct of its wartime mission.

2. UTM techniques, described in references (b) and (e), provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. The Marine Corps Training Principles, explained in reference (b), provide sound and proven direction and are flexible enough to accommodate the demands of local conditions. These principles are not inclusive, nor do they guarantee success. They are guides that commanders can use to manage unit-training programs. The Marine Corps training principles are:

- Train as you fight
- Make commanders responsible for training
- Use standards-based training
- Use performance-oriented training
- Use mission-oriented training
- Train the MAGTF to fight as a combined arms team
- Train to sustain proficiency
- Train to challenge

3. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM. Guidance for UTM and the process for establishing effective programs are contained in references (a) through (g).

#### 1003. SUSTAINMENT AND EVALUATION OF TRAINING

1. The evaluation of training is necessary to properly prepare Marines for their mission. Evaluations are either formal or informal, and performed by members of the unit (internal evaluation) or from an external command (external evaluation).

2. Marines are expected to maintain proficiency in the training events for their MOS at the appropriate grade or billet to which assigned. Leaders are responsible for recording the training achievements of their Marines. Whether it involves individual or collective training events, they must ensure proficiency is sustained by requiring retraining of each event at or before expiration of the designated sustainment interval. Performance of the training event, however, is not sufficient to ensure readiness. Leaders at all levels must evaluate the performance of their Marines and the unit as they complete training events, and only record successful accomplishment of training based upon the evaluation. The goal of evaluation is to ensure that correct methods are employed to achieve the desired standard, or the Marines understand how they need to improve in order to attain the standard. Leaders



must determine whether credit for completing a training event is recorded if the standard was not achieved. While successful accomplishment is desired, debriefing of errors can result in successful learning that will allow ethical recording of training event completion. Evaluation is a continuous process that is integral to training management and is conducted by leaders at every level and during all phases of planning and the conduct of training. To ensure training is efficient and effective, evaluation is an integral part of the training plan. Ultimately, leaders remain responsible for determining if the training was effective.

3. The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's/Marine's proficiency in the tasks that must be performed. Informal evaluations are conducted during every training evolution. Formal evaluations are often scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events. References (a) and (f) provide further guidance on the conduct of informal and formal evaluations using the Marine Corps Ground T&R Program.

#### **1004. ORGANIZATION**

1. T&R Manuals are organized in one of two methods: unit-based or community-based. Unit-based T&R Manuals are written to support a type of unit (Infantry, Artillery, Tanks, etc.) and contain both collective and individual training standards. Community-based are written to support an Occupational Field, a group of related Military Occupational Specialties (MOSs), or billets within an organization (EOD, Intel, SIGINT, etc.), and usually only contain individual training standards. T&R Manuals are comprised of chapters that contain unit METs, collective training standards (CTS), and individual training standards (ITS) for each MOS, billet, etc.

2. The SIGINT T&R Manual is an individual-based manual comprised of 12 chapters. Chapter 2 lists the Core Capability METs. Chapters 3 through 11 contain individual events organized by MOS.

#### **1005. T&R EVENT CODING**

1. T&R events are coded for ease of reference. Each event has a 4-4-4-digit identifier. The first four digits are referred to as a "community" and represent the unit type or occupation (SIGT, 2602, 2651, etc.). The second four digits represent the functional or duty area (DISS, COLL, ANYS, etc.). The last four digits represent the level and sequence of the event.

2. The T&R levels are illustrated in Figure 1. An example of the T&R coding used in this Manual is shown in Figure 2.

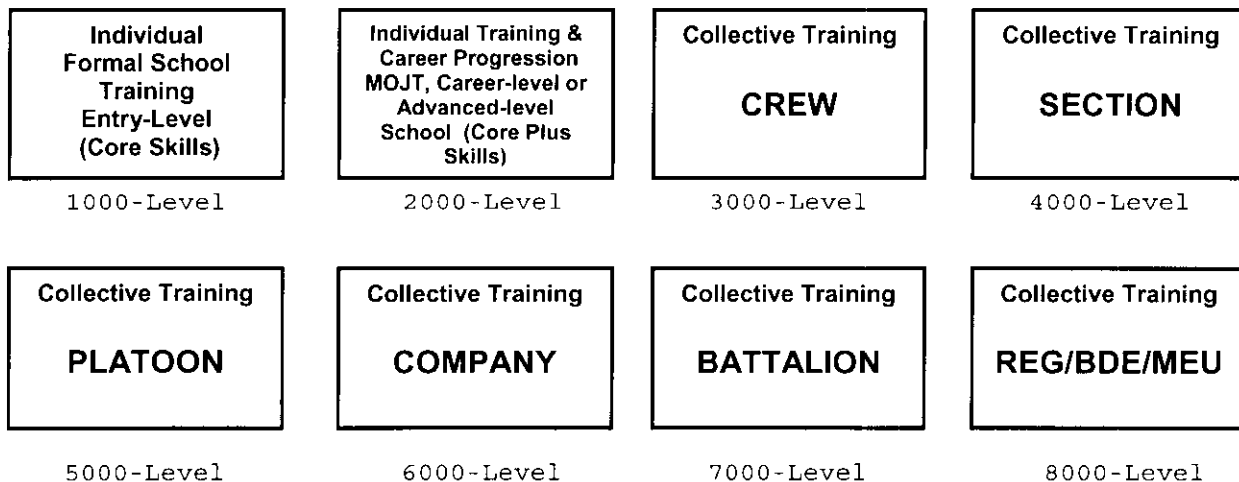


Figure 1: T&R Event Levels

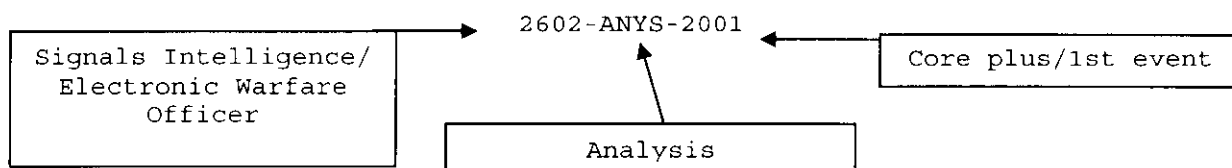


Figure 2: T&R Event Coding

#### 1006. COMBAT READINESS PERCENTAGE

1. The Marine Corps Ground T&R Program includes processes to assess readiness of units and individual Marines. Every unit in the Marine Corps maintains a basic level of readiness based on the training and experience of the Marines in the unit. Even units that never trained together are capable of accomplishing some portion of their missions. Combat readiness assessment does not associate a quantitative value for this baseline of readiness, but uses a "Combat Readiness Percentage", as a method to provide a concise descriptor of the recent training accomplishments of units and Marines.
2. Combat Readiness Percentage (CRP) is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.
3. In unit-based T&R Manuals, unit combat readiness is assessed as a percentage of the successfully completed and current (within sustainment interval) key training events called "Evaluation-Coded" (E-Coded) Events. E-Coded Events and unit CRP calculation are described in follow-on paragraphs. CRP achieved through the completion of E-Coded Events is directly relevant to readiness assessment in DRRS.
4. Individual combat readiness, in both unit-based and community-based T&R Manuals, is assessed as the percentage of required individual events in which a Marine is current. This translates as the percentage of training events

for his/her MOS and grade (or billet) that the Marine successfully completes within the directed sustainment interval. Individual skills are developed through a combination of 1000-level training (entry-level formal school courses), individual on-the-job training in 2000-level events, and follow-on formal school training. Skill proficiency is maintained by retraining in each event per the specified sustainment interval.

#### **1007. EVALUATION-CODED (E-CODED) EVENTS**

1. Unit-type T&R Manuals can contain numerous unit events, some for the whole unit and others for integral parts that serve as building blocks for training. To simplify training management and readiness assessment, only collective events that are critical components of a mission essential task (MET), or key indicators of a unit's readiness, are used to generate CRP for a MET. These critical or key events are designated in the T&R Manual as Evaluation-Coded (E-Coded) events. Formal evaluation of unit performance in these events is recommended because of their value in assessing combat readiness. Only E-Coded events are used to calculate CRP for each MET.

2. The use of a METL-based training program allows the commander discretion in training. This makes the T&R Manual a training tool rather than a prescriptive checklist.

#### **1008. CRP CALCULATION**

1. Collective training begins at the 3000 level (team, crew or equivalent). Unit training plans are designed to accomplish the events that support the unit METL while simultaneously sustaining proficiency in individual core skills. Using the battalion-based (unit) model, the battalion (7000-level) has collective events that directly support a MET on the METL. These collective events are E-Coded and the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.

2. Unit CRP increases after the completion of E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. MET CRP is calculated by adding the percentage of each completed and current (within sustainment interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of calculation, we will say that each MET has 4 E-Coded events, each contributing 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-Coded events for a given MET, then they have completed 75% of the MET. The CRP for each MET is added together and divided by the number of METS to get unit CRP; unit CRP is the average of MET CRP.

For Example:

MET 1: 75% complete (3 of 4 E-Coded events trained)  
MET 2: 100% complete (6 of 6 E-Coded events trained)  
MET 3: 25% complete (1 of 4 E-Coded events trained)  
MET 4: 50% complete (2 of 4 E-Coded events trained)  
MET 5: 75% complete (3 of 4 E-Coded events trained)

To get unit CRP, simply add the CRP for each MET and divide by the number of METS:

MET CRP:  $75 + 100 + 25 + 50 + 75 = 325$

Unit CRP:  $325 \text{ (total MET CRP)} / 5 \text{ (total number of METS)} = 65\%$

#### 1009. T&R EVENT COMPOSITION

1. This section explains each of the components of a T&R event. These items are included in all events in each T&R Manual.

a. Event Code (see Sect 1006). The event code is a 4-4-4 character set. For individual training events, the first 4 characters indicate the occupational function. The second 4 characters indicate functional area (TAC, CBTS, VOPS, etc.). The third 4 characters are simply a numerical designator for the event.

b. Event Title. The event title is the name of the event.

c. E-Coded. This is a "yes/no" category to indicate whether or not the event is E-Coded. If yes, the event contributes toward the CRP of the associated MET. The value of each E-Coded event is based on number of E-Coded events for that MET. Refer to paragraph 1008 for detailed explanation of E-Coded events.

d. Supported MET(s). List all METs that are supported by the training event.

e. Sustainment Interval. This is the period, expressed in number of months, between evaluation or retraining requirements. Skills and capabilities acquired through the accomplishment of training events are refreshed at pre-determined intervals. It is essential that these intervals are adhered to in order to ensure Marines maintain proficiency.

f. Billet. Individual training events may contain a list of billets within the community that are responsible for performing that event. This ensures that the billet's expected tasks are clearly articulated and a Marine's readiness to perform in that billet is measured.

g. Grade. Each individual training event will list the rank(s) at which Marines are required to learn and sustain the training event.

h. Event Description. Provide a description of the event purpose, objectives, goals, and requirements. It is a general description of an

14 Sep 06

action requiring learned skills and knowledge (e.g. Identify the security procedures of the target computer system).

i. Condition. Describe the condition(s), under which tasks are performed. Conditions are based on a "real world" operational environment. They indicate what is provided (equipment, materials, manuals, aids, etc.), environmental constraints, conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this is stated.

j. Standard. The standard indicates the basis for judging effectiveness of the performance. It consists of a carefully worded statement that identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters and is strictly adhered to. The standard for collective events is general, describing the desired end-state or purpose of the event. While the standard for individual events specifically describe to what proficiency level in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc., the event is accomplished.

k. Event Components. Describe the actions composing the event and help the user determine what must be accomplished and to properly plan for the event.

l. Prerequisite Events. Prerequisites are academic training or other T&R events that must be completed prior to attempting the task. They are lower-level events or tasks that give the individual/unit the skills required to accomplish the event. They can also be planning steps, administrative requirements, or specific parameters that build toward mission accomplishment.

m. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to effectively identify subordinate T&R events that ultimately support specific mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related events, the events are "chained." The completion of chained events will update sustainment interval credit (and CRP for E-Coded events) for the related subordinate level events.

n. Related Events. Provide a list of all Individual Training Standards that support the event.

o. References. The training references are utilized to determine task performance steps, grading criteria, and ensure standardization of training procedures. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. References are also important to the development of detailed training plans.

p. Distance Learning Products (IMI, CBT, MCI, etc.). Include this component when the event can be taught via one of these media methods vice attending a formal course of instruction or receiving MOJT.

14 Sep 06

q. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. The list includes, but is not limited to:

- Range(s)/Training Area
- Ordnance
- Equipment
- Materials
- Other Units/Personnel
- Other Support Requirements

r. Miscellaneous. Provide any additional information that assists in the planning and execution of the event. Miscellaneous information may include, but is not limited to:

- Admin Instructions
- Special Personnel Certifications
- Equipment Operating Hours
- Road Miles

2. Community-based T&R Manuals have several additional components not found in unit-based T&R Manuals. These additions do not apply to this T&R Manual.

#### 1010. NBC TRAINING

1. All personnel assigned to the operating force must be trained in nuclear, biological, and chemical defense (NBCD), in order to survive and continue their mission in this environment. Individual proficiency standards are defined as survival and basic operating standards. Survival standards are those that the individual must master in order to survive NBC attacks. Basic operating standards are those that the individual, and collectively the unit, must perform to continue operations in an NBC environment.

2. In order to develop and maintain the ability to operate in an NBC environment, NBCD training is an integral part of the training plan and events in this T&R Manual. Units should train under NBC conditions whenever possible. Per reference (c), all units must be capable of accomplishing their assigned mission in a contaminated environment.

#### 1011. NIGHT TRAINING

1. While it is understood that all personnel and units of the operating force are capable of performing their assigned mission in "every climate and place," current doctrine emphasizes the requirement to perform assigned missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited.

2. To ensure units are capable of accomplishing their mission they must train under the conditions of limited visibility. Units should strive to conduct all events in this T&R Manual during both day and night/limited visibility conditions. When there is limited training time available, night training should take precedence over daylight training, contingent on individual, crew, and unit proficiency.

**1012. OPERATIONAL RISK MANAGEMENT (ORM)**

1. ORM is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a decision making tool used by Marines at all levels to increase operational effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of a successful mission. ORM minimizes risks to acceptable levels, commensurate with mission accomplishment.

2. Commanders, leaders, maintainers, planners, and schedulers will integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, ORM assists the commander in determining the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of Sailors/Marines and leaders. Further guidance for ORM is found in references (b) and (d).

**1013. MARINE CORPS GROUND T&R PROGRAM**

1. The Marine Corps Ground T&R Program continues to evolve. The vision for Ground T&R Program is to publish a T&R Manual for every readiness-reporting unit so that core capability METs are clearly defined with supporting collective training standards, and to publish community-based T&R Manuals for all occupational fields whose personnel augment other units to increase their combat and/or logistic capabilities. The vision for this program includes plans to provide a Marine Corps training management information system that enables tracking of unit and individual training accomplishments by unit commanders and small unit leaders, automatically computing CRP for both units and individual Marines based upon MOS and rank (or billet). Linkage of T&R Events to the Marine Corps Task List (MCTL), through the core capability METs, has enabled objective assessment of training readiness in the DRRS.

2. DRRS measures and reports on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the Secretary of Defense. With unit CRP based on the unit's training toward its METs, the CRP will provide a more accurate picture of a unit's readiness. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to units' METs.

SIGINT T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

	<u>PARAGRAPH</u>	<u>PAGE</u>
SIGNALS INTELLIGENCE MISSION ESSENTIAL TASKS MATRIX . . . .	2000	2-2



SIGINT T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

2000. **SIGNALS INTELLIGENCE MISSION ESSENTIAL TASKS MATRIX.** The Mission Essential Task List (METL) Table includes the designated MET number. The following event codes are the evaluation coded events that support the MET.

<b>MET 1. CONDUCT SIGINT DISSEMINATION</b>	
SIGT-DISS-3000	Determine dissemination requirements
SIGT-PLAN-3012	Coordinate tactical, theater, and national dissemination architecture
<b>MET 2. CONDUCT SIGINT PLANNING</b>	
SIGT-PLAN-3035	Plan SIGINT Operations
SIGT-PLAN-3036	Determine intelligence architecture requirements
<b>MET 3. CONDUCT SIGINT COLLECTION</b>	
SIGT-PROD-3024	Produce collection reports
SIGT-COLL-3029	Conduct SIGINT and EW operations
SIGT-PLAN-3038	Plan for SIGINT support to MAGTF operations
<b>MET 4. CONDUCT SIGINT PRODUCTION</b>	
SIGT-PROD-3039	Produce Orders of Battle
SIGT-PROD-3025	Produce summary reports
<b>MET 5. CONDUCT SIGINT ANALYSIS</b>	
SIGT-ANYS-3030	Conduct SIGINT analysis
SIGT-ANYS-3002	Conduct COMINT analysis
SIGT-ANYS-3003	Conduct ELINT analysis
<b>MET 6. PROVIDE INDICATIONS AND WARNING</b>	
SIGT-ANYS-3003	Conduct ELINT analysis
SIGT-ANYS-3030	Conduct SIGINT analysis
<b>MET 7. PROVIDE INTELLIGENCE SUPPORT TO TARGETING</b>	
SIGT-ANYS-3030	Conduct SIGINT analysis
SIGT-ANYS-3005	Conduct intelligence gain/loss assessment
SIGT-ANYS-3006	Conduct SIGINT support to Battle Damage Assessment
SIGT-TRGT-3009	Provide SIGINT input to target development
SIGT-ANYS-3031	Provide SIGINT assessment of enemy capability and vulnerability
<b>MET 8. CONDUCT ELECTRONIC WARFARE OPERATIONS</b>	
SIGT-PLAN-3014	Plan for command and control of EW assets
SIGT-PLAN-3032	Conduct Electronic Warfare planning in support of MAGTF operations

NAVMC DIR 3500.41  
14 Sep 06

SIGT-TRGT-3026	Engage EA targets
SIGT-COLL-3029	Conduct SIGINT and EW operations
<b>MET 9. CONDUCT SPECIAL INTELLIGENCE COMMUNICATIONS</b>	
SIGT-SCTY-3040	Conduct Tactical Sensitive Compartmented Information Facility (T-SCIF) operations
<b>MET 10. CONDUCT SIGINT SUPPORT TO INFORMATION OPERATIONS</b>	
SIGT-PLAN-3037	Support Information Operations (IO)

SIGINT T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

	<u>PARAGRAPH</u>	<u>PAGE</u>
SIGNALS INTELLIGENCE MISSION ESSENTIAL TASKS MATRIX . . . .	2000	2-2

SIGINT T&R MANUAL

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SIGT-ANYS-3030	Conduct SIGINT analysis
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SIGT-PLAN-3032	Conduct Electronic Warfare planning in support of MAGTF operations

NAVMC DIR 3500.41  
14 Sep 06

SIGT-TRGT-3026	Engage EA targets
SIGT-COLL-3029	Conduct SIGINT and EW operations
<b>MET 9. CONDUCT SPECIAL INTELLIGENCE COMMUNICATIONS</b>	
SIGT-SCTY-3040	Conduct Tactical Sensitive Compartmented Information Facility (T-SCIF) operations
<b>MET 10. CONDUCT SIGINT SUPPORT TO INFORMATION OPERATIONS</b>	
SIGT-PLAN-3037	Support Information Operations (IO)

SIGINT T&R MANUAL

CHAPTER 3

COLLECTIVE EVENTS

	<u>Paragraph</u>	<u>Page</u>
PURPOSE . . . . .	3000	3-2
ADMINISTRATIVE NOTES . . . . .	3001	3-2
INDEX OF COLLECTIVE EVENTS BY FUNCTIONAL AREA . . . . .	3002	3-3
COLLECTIVE EVENTS . . . . .	3003	3-5

SIGINT T&R MANUAL

CHAPTER 3

COLLECTIVE EVENTS

**3000. PURPOSE.** This chapter includes all collective events. A collective event is an event that an established Signals Intelligence detachment would perform in combat. These events are linked to a Service-Level Mission Essential Task (MET). This linkage tailors collective and individual training for the selected MET. Each collective event is composed of component events that provide the major actions required. This may be likely actions, list of functions, or procedures. Accomplishment and proficiency level required of component events are determined by the event standard.

**3001. ADMINISTRATIVE NOTES.** T&R events are coded for ease of reference. Each event has a 4-4-4 digit identifier. The first four digits represent the occupational field, "SIGT". The second four digits represent the functional or duty area. The last four digits represent the level, and identifier number of the event. The collective training events are only in the 3000 level. Every event has a unique identifier number from 001 to 999.

3002. INDEX OF COLLECTIVE EVENTS BY FUNCTIONAL AREA

EVENT	DESCRIPTION	PAGE
<b>ANALYSIS</b>		
SIGT-ANYS-3001	Prepare pre-deployment tech kits	3-5
SIGT-ANYS-3002	Conduct COMINT analysis	3-5
SIGT-ANYS-3003	Conduct ELINT analysis	3-6
SIGT-ANYS-3004	Recognize reportable information	3-6
SIGT-ANYS-3005	Conduct intelligence gain/loss assessment	3-7
SIGT-ANYS-3006	Conduct SIGINT support to Battle Damage Assessment	3-7
SIGT-ANYS-3007	Prepare EA mission summary	3-8
SIGT-ANYS-3008	Assess effects of friendly and enemy EW on the battlefield	3-8
SIGT-ANYS-3028	Prepare EW mission summary	3-18
SIGT-ANYS-3030	Conduct SIGINT analysis	3-19
SIGT-ANYS-3031	Provide SIGINT assessment of enemy capability and vulnerability	3-19
<b>COLLECTION</b>		
SIGT-COLL-3029	Conduct SIGINT and EW operations	3-18
<b>DISSEMINATION</b>		
SIGT-DISS-3000	Determine dissemination requirements	3-5
<b>PLANNING</b>		
SIGT-PLAN-3010	Determine specified/implied SIGINT tasks	3-9
SIGT-PLAN-3011	Conduct pre-deployment planning	3-10
SIGT-PLAN-3012	Coordinate tactical, theater, and national dissemination architecture	3-10
SIGT-PLAN-3013	Plan For EA in Support of MAGTF Operations	3-10
SIGT-PLAN-3014	Plan for command and control of EW assets	3-11
SIGT-PLAN-3015	Determine roles and relationships of SIGINT with Intelligence Preparation of the Battlefield (IPB)	3-12
SIGT-PLAN-3016	Determine SIGINT tasks	3-12
SIGT-PLAN-3017	Develop SIGINT concept of operations	3-13
SIGT-PLAN-3018	Determine task organization	3-13
SIGT-PLAN-3019	Determine T/O requirements	3-13
SIGT-PLAN-3020	Determine reach-back requirements	3-14
SIGT-PLAN-3032	Conduct Electronic Warfare planning in support of MAGTF operations	3-20
SIGT-PLAN-3033	Develop SIGINT Courses of Action (COA)	3-20
SIGT-PLAN-3034	Determine supportability of external SIGINT assets	3-21
SIGT-PLAN-3035	Plan SIGINT Operations	3-21
SIGT-PLAN-3036	Determine intelligence architecture requirements	3-22
SIGT-PLAN-3037	Support Information Operations (IO)	3-22
SIGT-PLAN-3038	Plan for SIGINT support to MAGTF operations	3-23
<b>PRODUCTION</b>		
SIGT-PROD-3021	Develop SIGINT production plan	3-14
SIGT-PROD-3023	Determine validity of requirements	3-15
SIGT-PROD-3024	Produce collection reports	3-16
SIGT-PROD-3025	Produce summary reports	3-16



14 Sep 06

SIGT-PROD-3039	Produce Orders of Battle	3-23
	<b>SECURITY</b>	
SIGT-SCTY-3022	Practice Emergency Action Plan (EAP)	3-15
SIGT-SCTY-3027	Maintain physical security for classified materials	3-17
SIGT-SCTY-3040	Conduct Tactical Sensitive Compartmented Information Facility (T-SCIF) operations	3-24
	<b>TARGETING</b>	
SIGT-TRGT-3009	Provide SIGINT input to target development	3-9
SIGT-TRGT-3026	Engage EA targets	3-16

3003. COLLECTIVE EVENTS

SIGT-DISS-3000 Determine dissemination requirements

SUPPORTED MET(S): 1

EVALUATION CODED (E-CODE): YES      SUSTAINMENT INTERVAL: 6

DESCRIPTION: The unit will determine dissemination requirements based on technical and intelligence needs of the MAGTF and other supported units.

CONDITION: With the aid of references, given a HHQ mission, a list of technical and intelligence requirements to include the supported units, a communications architecture, and in a field or garrison environment.

STANDARD: To generate dissemination requirements for technical and intelligence, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. Applicable USSIDS
  2. Theater and unit SOPs
  3. Theater and unit directives
  4. MCWP 2-1 Intelligence Operations
- 

SIGT-ANYS-3001 Prepare pre-deployment tech kits

SUPPORTED MET(S): 5

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 3

DESCRIPTION: Unit will research and gather technical data for potential threats and areas of responsibility and determine the most effective means of distribution/delivery.

CONDITION: With the aid of references, given access to available technical resources, a desired format for distribution/delivery, and in a field or garrison environment.

STANDARD: To compile all available technical data into a useable format, within a time limit established by the commander, in accordance with the references.

REFERENCE:

1. Local SOP
  2. MCWP 2-22 Signals Intelligence
  3. NWP 33 (S) Electronic Warfare (U)
- 

SIGT-ANYS-3002 Conduct COMINT analysis

SUPPORTED MET(S): 5

EVALUATION CODED (E-CODE): YES      SUSTAINMENT INTERVAL: 3

DESCRIPTION: The unit will perform traffic analysis to report Essential Elements of Information (EEIs) and perform prediction analysis to enhance collection efforts.

CONDITION: With the aid of references, given raw COMINT, access to national, theater, and/or tactical databases, and in a field or garrison environment.

STANDARD: To conduct prediction analysis to enhance collection efforts, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. DODD S-3115.7 Signals Intelligence
  2. TA-103 NCS Basic Traffic Analysis
  3. CA-104 Manual and Machine Cryptosystems
  4. MCWP 2-22 Signals Intelligence
- 

SIGT-ANYS-3003 Conduct ELINT analysis

SUPPORTED MET(S): 5, 6

EVALUATION CODED (E-CODE): YES      SUSTAINMENT INTERVAL: 3

DESCRIPTION: The unit will perform ELINT analysis.

CONDITION: With the aid of references, given ELINT data, access to national, theater, and/or tactical databases, and in a field or garrison environment.

STANDARD: To analyze signals of interest and/or data to enhance situational awareness and indications and warning, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. EPL
  2. IBUG
  3. EWIR
  4. KILTING
  5. USSID 240 ELINT Processing, Analysis, Reporting, and Forwarding Procedures
- 

SIGT-ANYS-3004 Recognize reportable information

SUPPORTED MET(S): 5

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 3

DESCRIPTION: Identify essential elements of information that meet reporting criteria. This is to include technical and tactical reportable information.

**CONDITION:** With the aid of references, given reportable and non-reportable information, and in a field or garrison environment.

**STANDARD:** To report essential elements of information, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. MCWP 2-22 Signals Intelligence
  2. USSIDs
- 

**SIGT-ANYS-3005** Conduct intelligence gain/loss assessment

**SUPPORTED MET(S):** 7

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will conduct a gain/loss assessment prior to a kinetic and/or non-kinetic attack(s).

**CONDITION:** With the aid of references, given commanders targeting guidance, a scenario where a kinetic and/or non-kinetic attack is planned against a SIGINT target, and in a field or garrison environment.

**STANDARD:** To conduct an intelligence gain/loss assessment, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
- 

**SIGT-ANYS-3006** Conduct SIGINT support to Battle Damage Assessment

**SUPPORTED MET(S):** 7

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will conduct SIGINT support to battle damage assessment following a kinetic and/or non-kinetic attack(s).

**CONDITION:** With the aid of references, given commander's critical information requirements (CCIRs), battle damage reports/message traffic, a scenario where a kinetic and/or non-kinetic attack has occurred against a SIGINT target, and in a field or garrison environment.

**STANDARD:** To report all Battle Damage Assessment information compiled through SIGINT operations, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
- 

**SIGT-ANYS-3007** Prepare EA mission summary

**SUPPORTED MET(S):** 8

**EVALUATION CODED (E-CODE):** NO **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will prepare an EA mission summary report.

**CONDITION:** With the aid of references, given an EA mission, a scenario of electronic attack actions taken during a specified period, and in a field or garrison environment.

**STANDARD:** To create a mission summary report, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. Unit SOP
  2. MCWP 2-22 Signals Intelligence
  3. DODD S-3115.7 Signals Intelligence
- 

**SIGT-ANYS-3008** Assess effects of friendly and enemy EW on the battlefield

**SUPPORTED MET(S):** 8

**EVALUATION CODED (E-CODE):** NO **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will assess the effects of friendly and enemy EW using the appropriate reporting vehicle.

**CONDITION:** With the aid of references, given communications-electronic operating instruction (CEOI), enemy SIGINT capabilities, communications security (COMSEC) procedures, friendly network activity, a scenario of friendly and enemy EW and reporting vehicle formats, and in a field or garrison environment.

**STANDARD:** To report the effectiveness of friendly and enemy Electronic Warfare, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
2. MCRP 3-16B The Joint Targeting Process and Procedures for Targeting Time-Critical Elements
3. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting

4. JP 3-0 Doctrine for Joint Operations
5. MCWP 3-36.1 Electronic Warfare
6. FM 34-1 Intelligence and Electronic Warfare Operations

---

**SIGT-TRGT-3009** Provide SIGINT input to target development

**SUPPORTED MET(S):** 7

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will provide SIGINT input to the target development process.

**CONDITION:** With the aid of references, given collected and analyzed SIGINT data, a target nominations list, and supported automated systems, as part of a SIGINT/EW unit, and in a field or garrison environment.

**STANDARD:** To identify pertinent information from collected and analyzed SIGINT to aid in the target development process, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. Local SOP
2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
3. JP 3-60 Joint Doctrine for Targeting
4. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
5. MCRP 3-16B The Joint Targeting Process and Procedures for Targeting Time-Critical Elements

---

**SIGT-PLAN-3010** Determine specified/IMPLIED SIGINT tasks

**SUPPORTED MET(S):** 2

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** During the mission analysis phase of the Marine Corps Planning Process (MCP) a SIGINT planner assigned to an operational planning team (OPT) determines SIGINT tasks to integrate SIGINT into the overall plan.

**CONDITION:** With the aid of references, given HHQ order, appropriate SIGINT collection requirements, documents, and systems, and in a field or garrison environment.

**STANDARD:** To identify assigned SIGINT tasks, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. Local SOP
  2. MCWP 2-22 Signals Intelligence
-

SIGT-PLAN-3011 Conduct pre-deployment planning

SUPPORTED MET(S): 2

EVALUATION CODED (E-CODE): NO SUSTAINMENT INTERVAL: 12

DESCRIPTION: When assigned to a SIGINT detachment, plan for SIGINT operations in support of a MAGTF mission.

CONDITION: With the aid of references, given a HHQ mission, assigned personnel, and in a garrison or field environment.

STANDARD: To determine administrative, logistics, and training requirements to provide effective SIGINT support to the MAGTF, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. Local SOP
  2. MCDP 4 Logistics
- 

SIGT-PLAN-3012 Coordinate tactical, theater, and national dissemination architecture

SUPPORTED MET(S): 1

EVALUATION CODED (E-CODE): YES SUSTAINMENT INTERVAL: 12

DESCRIPTION: The unit will determine the tactical, theater, and national dissemination architecture necessary and coordinate access in order to provide support to Marine air-ground task force (MAGTF) operations. If organic resources do not meet the requirement, the unit must request the resources from higher headquarters.

CONDITION: With the aid of references, given a higher-level mission order to conduct SIGINT/EW support to MAGTF operations, in the MAGTF's area of operations.

STANDARD: To identify the dissemination architecture used by tactical, theater, and national assets, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. Local SOP
  2. JP 6-0 Joint Communication System
  3. MCWP 3-40.2 Information Management
  4. USSID 200 Technical SIGINT Reporting
- 

SIGT-PLAN-3013 Plan for EA in support of MAGTF operations

SUPPORTED MET(S): 8

EVALUATION CODED (E-CODE): NO SUSTAINMENT INTERVAL: 12

14 Sep 06

**DESCRIPTION:** During planning process, SIGINT/EW unit will determine processes and procedures to conduct EA in support of MAGTF operations.

**CONDITION:** With the aid of references, given rules of engagement, higher mission, MAGTF AO, theater jamming guidance, EA assets, joint restricted frequency list (JRFL)/MAGTF restricted freq list (MRFL), an approved EW forward observer CONOP's for execution, and in a field or garrison environment.

**STANDARD:** To determine processes and procedures to conduct EA missions on time sensitive targets (immediate), on call targets, and pre-planned targets, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. FM 34-1 Intelligence and Electronic Warfare Operations
2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
3. JP 3-60 Joint Doctrine for Targeting
4. MCDP 6 Command and Control
5. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
6. MCRP 3-16C Tactics, Techniques, and Procedures for the Combined Arms Commander
7. MCWP 2-22 Signals Intelligence
8. MCWP 3-40.4 MAGTF Information Operations
9. MCWP 3-40.5 Electronic Warfare

**SUPPORT REQUIREMENTS:**

**RANGE/TRAINING AREA:**

- 17413 - Field Training Area
- 17971 - Electronic Warfare Training Range

**OTHER:**

- EA assets

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**SIGT-PLAN-3014** Plan for command and control of EW assets

**SUPPORTED MET(S):** 8

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will plan for the command and control of EW assets to include EA, ES, and EP in support of MAGTF operations.

**CONDITION:** With the aid of references, given a higher-level planning guidance or a warning order, a list of EW assets, an area of operations, and in a field or garrison environment.

**STANDARD:** To create a plan that provides command and control of EW assets in support to MAGTF operations, within a time limit established by the commander, in accordance with the references.



**REFERENCES:**

1. MCWP 3-36.1 Electronic Warfare
  2. MCWP 3-40.1 Marine Air-Ground Task Force Command and Control
  3. MCDP 6 Command and Control
- 

**SIGT-PLAN-3015** Determine roles and relationships of SIGINT with Intelligence Preparation of the Battlespace (IPB)

**SUPPORTED MET(S):** 4

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** Determine SIGINT support to IPB requirements during the mission analysis phase of the Marine Corps Planning Process to ensure timely delivery of information and products.

**CONDITION:** With the aid of references, given a HHQ mission, IPB requirements, SIGINT systems, and in a field or garrison environment.

**STANDARD:** To provide roles and relationships of SIGINT with Intelligence Preparation of the Battlespace, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. Local SOP
  2. MCRP 5-12 C Marine Corps Supplement to the Department of Defense Dictionary of Military and Associated Terms
  3. MCRP 2-12A Intelligence Preparation of the Battlefield
  4. JP 2-01.3 Joint Tactics, Techniques, and Procedures for Joint Intelligence Preparation of the Battlespace
- 

**SIGT-PLAN-3016** Determine SIGINT tasks

**SUPPORTED MET(S):** 2

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** During the mission analysis phase of MCPP a SIGINT planner assigned to an OPT determines SIGINT tasks to integrate SIGINT into the overall plan.

**CONDITION:** With the aid of references, given HHQ order, appropriate SIGINT requirements, documents, systems, and in a field or garrison environment.

**STANDARD:** To develop SIGINT tasks from the identified tasks, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. Local SOP
2. MCDP 1-0 Marine Corps Operations
3. MCWP 2-1 Intelligence Operations

4. MCWP 2-3 MAGTF Intelligence Production and Analysis

---

SIGT-PLAN-3017 Develop SIGINT concept of operations

SUPPORTED MET(S): 2

EVALUATION CODED (E-CODE): NO SUSTAINMENT INTERVAL: 12

DESCRIPTION: Develop a SIGINT concept of operations in support of a MAGTF.

CONDITION: With the aid of references, given a HHQ order, SIGINT requirements, and in a field or garrison environment.

STANDARD: To create a SIGINT concept of operations plan, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. Local SOP
  2. MCDP 1-0 Marine Corps Operations
  3. MCWP 2-1 Intelligence Operations
  4. FM 34-1 Intelligence and Electronic Warfare Operations
- 

SIGT-PLAN-3018 Determine task organization

SUPPORTED MET(S): 2

EVALUATION CODED (E-CODE): NO SUSTAINMENT INTERVAL: 12

DESCRIPTION: Develop the SIGINT task organization in support of MAGTF.

CONDITION: With the aid of references, and given a HHQ order, SIGINT requirements, and in a field or garrison environment.

STANDARD: To develop a task organized SIGINT detachment, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. Local SOP
  2. MCDP 2 Intelligence
  3. MCRP 5-12D Organization of Marine Corps Forces
- 

SIGT-PLAN-3019 Determine T/O requirements

SUPPORTED MET(S): 2

EVALUATION CODED (E-CODE): NO SUSTAINMENT INTERVAL: 12

DESCRIPTION: Develop a table of organization for a deploying unit in support of a MAGTF.

**CONDITION:** With the aid of references, given a HHQ order, operational, administrative, logistical requirements, and in a field or garrison environment.

**STANDARD:** To develop a table of organization for a deploying unit, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. Local SOP
  2. MCRP 5-12D Organization of Marine Corps Forces
  3. MCDP 3 Expeditionary Operations
- 

**SIGT-PLAN-3020** Determine reach-back requirements

**SUPPORTED MET(S):** 2

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** Determine reach-back requirements in support of MAGTF operations.

**CONDITION:** With the aid of references, given a HHQ order, organic and inorganic collection, processing, analysis, reporting capabilities, and in a field or garrison environment.

**STANDARD:** To identify reach-back requirements, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. Local SOP
  2. MCDP 2 Intelligence
- 

**SIGT-PROD-3021** Develop SIGINT production plan

**SUPPORTED MET(S):** 4

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The unit will develop a production plan to include collection and asset management to meet HHQ objectives.

**CONDITION:** With the aid of references, given the operations plan, and in a field or garrison environment.

**STANDARD:** To produce a production plan that satisfies all intelligence and technical reporting requirements, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. Local SOP
2. DoDD S-3115.7 Signals Intelligence

3. MCWP 2-3 MAGTF Intelligence Production and Analysis
4. MCWP 2-22 Signals Intelligence

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**SIGT-SCTY-3022** Practice Emergency Action Plan (EAP)

**SUPPORTED MET(S):** 2

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Each accredited SCIF or T-SCIF must establish an emergency action plan to be approved by the G-2/S-2 or SSO as appropriate.

**CONDITION:** With the aid of references, given an approved Emergency Action Plan, an order by competent authority to execute, and in a field or garrison environment.

**STANDARD:** To conduct directed assignments or action IAW governing regulations and approved EAP, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. DCID 6/3 Protecting Sensitive Compartmented Information, (SCI) within Information Systems
2. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
3. CMS 21B

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** The essential concern of this plan must be safety of personnel over all other factors. The plan will address items such as physical protection of personnel and classified material in the SCIF, adequacy of fire fighting and life support equipment, entrance of emergency personnel, evacuation plans for personnel, emergency destruction and transfer of classified material and equipment in the event of disaster or disorder.

---

**SIGT-PROD-3023** Determine validity of requirements

**SUPPORTED MET(S):** 4

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** Prior to issuing analyst tasking, the unit will determine the validity of levied requirements based on available resources and capabilities.

**CONDITION:** With the aid of reference, given a list of requirements, current T/O and T/E, and in a field or garrison environment.

**STANDARD:** To validate levied requirements based on resource constraints and capabilities, within a time limit established by the commander, in accordance

with the reference.

**REFERENCE:**

1. Unit SOP

---

**SIGT-PROD-3024** Produce collection reports

**SUPPORTED MET(S):** 3, 4

**EVALUATION CODED (E-CODE):** YES **SUSTAINMENT INTERVAL:** 3

**DESCRIPTION:** Produce a collection report from collected SIGINT data.

**CONDITION:** With the aid of references, given raw SIGINT, collected data, and in a field or garrison environment.

**STANDARD:** To produce a collection report, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. USSID 101 Annex A
2. Local Standard Operating Procedures
3. MCWP 2-2 MAGTF Intelligence Collections
4. MCWP 2-22 Signals Intelligence
5. MCWP 2-3 MAGTF Intelligence Production and Analysis

---

**SIGT-PROD-3025** Produce summary reports

**SUPPORTED MET(S):** 4

**EVALUATION CODED (E-CODE):** YES **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will produce a detailed summary of events covering a given period of time.

**CONDITION:** With the aid of references, given a period of time, a series of events, and in a field or garrison environment.

**STANDARD:** To create a summary report, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. USSID 300
2. USSID 301
3. USSID 369
4. Local SOP

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**SIGT-TRGT-3026** Engage EA targets

**SUPPORTED MET(S):** 8

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will direct EA platform actions against targets.

**CONDITION:** With the aid of references, given an EA platform, communications equipment, a list of targets, and in a field or garrison environment.

**STANDARD:** To direct EA platform actions against pre-planned, reactive, and on-call targets, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. FM 34-1 Intelligence and Electronic Warfare Operations
2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
3. JP 3-60 Joint Doctrine for Targeting
4. MCDP 6 Command and Control
5. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
6. MCRP 3-16C Tactics, Techniques, and Procedures for the Combined Arms Commander
7. MCWP 2-22 Signals Intelligence
8. MCWP 3-40.4 MAGTF Information Operations
9. MCWP 3-40.5 Electronic Warfare

**SUPPORT REQUIREMENTS:**

**RANGE/TRAINING AREA:**

17971 - Electronic-Warfare Training Range

**OTHER:**

EA assets

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**SIGT-SCTY-3027** Maintain physical security for classified materials

**SUPPORTED MET(S):** 1

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** Safeguarding SCI information is critical and for that reason, safeguarding SCI and all classified information is the responsibility of all military personnel. Security of SCI is important as it protects not only a piece of intelligence but also its source. For these reasons, dissemination and access to SCI information and materials are restricted. SCI security must be applied within the context of the mission, with security needs constantly accessed and balanced against operational mission needs.

**CONDITION:** With the aid of references, given access to classified information, an authorized storage container, while in a facility approved for the use of or storage of classified material, and in a field or garrison environment.

**STANDARD:** To maintain chain of custody forms and security of the classified material, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. SECNAVINST 5510.30 DON Personnel Security Program (PSP) Regulation
  2. SECNAVINST 5510.36 DON Information Security Program (ISP) Regulation
  3. DCID 1/14 Personnel Security Standards and Procedures Governing Eligibility for Access to Sensitive Compartmented Information
  4. DCID 1/16 Security Manual for Uniform Protection of Intelligence Processed in AISs and Networks
  5. DCID 1/21 Physical Security Standards for Sensitive Compartmented Information Facilities
  6. DCID 6/3 Protecting Sensitive Compartmented Information, (SCI) within Information Systems
- 

**SIGT-ANYS-3028** Prepare EW mission summary

**SUPPORTED MET(S):** 8

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will prepare an EW summary outlining the EW operations conducted and subsequent effects of those operations.

**CONDITION:** With the aid of references, given a HHQ mission, details of a EW mission to include actions taken and effects of those actions, in a field or garrison environment

**STANDARD:** To prepare a summary that outlines the EW operations conducted and subsequent effects of those operations, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. MCWP 2-22 Signals Intelligence
  2. MCWP 3-36.1 Electronic Warfare
  3. USSID 300
- 

**SIGT-COLL-3029** Conduct SIGINT and EW operations

**SUPPORTED MET(S):** 3, 8

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will demonstrate the capabilities to conduct the full scope of SIGINT (collection, processing, analysis, reporting, and dissemination) and EW (EA, ES, and EP) operations in support of operational, intelligence and technical requirements.

**CONDITION:** With the aid of references, given a HHQ mission, operations plan, a list of technical and intelligence requirements, and in a field or garrison environment.

**STANDARD:** To conduct SIGINT and EW operations to satisfy operational, technical, and intelligence requirements, within a time limit established by

the commander, in accordance with the references.

**REFERENCES:**

1. FM 34-1 Intelligence and Electronic Warfare Operations
2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
3. JP 3-60 Joint Doctrine for Targeting
4. MCDP 6 Command and Control
5. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
6. MCRP 3-16C Tactics, Techniques, and Procedures for the Combined Arms Commander
7. MCWP 2-22 Signals Intelligence
8. MCWP 3-40.4 MAGTF Information Operations
9. MCWP 3-40.5 Electronic Warfare

---

**SIGT-ANYS-3030** Conduct SIGINT analysis

**SUPPORTED MET(S):** 5, 6, 7

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 3

**DESCRIPTION:** The unit will perform SIGINT analysis to identify EEIs, improve the commander's and unit's situational awareness, develop the technical and operation understanding of targeted network, satisfy force protection requirements (to include I&W), support the targeting process, and perform prediction analysis in support of technical and intelligence requirements.

**CONDITION:** With the aid of references, given processed SIGINT, access to national, theater, and/or tactical databases, and in a field or garrison environment.

**STANDARD:** To perform fused SIGINT analysis to cover the breadth of short and long term analysis requirements, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
2. TA103
3. CA104
4. EPL
5. MCWP 2-22 Signals Intelligence
6. IBUG
7. EWIR
8. KILTING
9. USSID

---

**SIGT-ANYS-3031** Provide SIGINT assessment of enemy capability and vulnerability

**SUPPORTED MET(S):** 7



EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 6

DESCRIPTION: The unit will provide a SIGINT assessment of enemy capabilities and vulnerabilities when applicable to the targeting process.

CONDITION: With the aid of references, given a scenario outlining enemy capabilities, vulnerabilities, Order of Battle, and in a field or garrison environment.

STANDARD: To identify enemy capability and vulnerability, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. MCDP 1-0 Marine Corps Operations
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. MCRP 5-12A Operational Terms and Graphics
  4. MCWP 2-1 Intelligence Operations
  5. MCWP 2-3 MAGTF Intelligence Production and Analysis
- 

SIGT-PLAN-3032 Conduct electronic warfare planning in support of MAGTF operations

SUPPORTED MET(S): 8

EVALUATION CODED (E-CODE): YES      SUSTAINMENT INTERVAL: 6

DESCRIPTION: The unit will conduct planning for electronic support, electronic protect, and electronic attack in support of MAGTF operations.

CONDITION: With the aid of references, having received planning guidance or a warning order, EW guidance from higher headquarters, ROE (Rules of Engagement), JRFL, an area of operations, and current EW systems, and in a field or garrison environment.

STANDARD: To identify the processes and procedures to be used in the conduct of EW missions in support of MAGTF operations, within a time limit established by the commander, in accordance with the references.

REFERENCES:

1. FM 34-1 Intelligence and Electronic Warfare Operations
  2. MCWP 3-36.1 Electronic Warfare
  3. NWP 3-13.1.13 EW Coordination
  4. NWP 33 (S) Electronic Warfare (U)
- 

SIGT-PLAN-3033 Develop SIGINT Courses of Action (COA)

SUPPORTED MET(S): 2

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 6

DESCRIPTION: As part of the MCPP, the SIGINT planner integrates SIGINT with the COA development.

**CONDITION:** With the aid of references, given a mission from HHQ, and in a field or garrison environment.

**STANDARD:** To identify requirements for SIGINT support and incorporate them into the approved COA, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. JP 2-01 Joint and National Intelligence Support to Military Operations
  2. MCDP 1-0 Marine Corps Operations
  3. MCRP 2-3A Intelligence Preparation of the Battlefield
  4. MCWP 2-3 MAGTF Intelligence Production and Analysis
  5. MCWP 5-1 Marine Corps Planning Process
- 

**SIGT-PLAN-3034** Determine supportability of external SIGINT assets

**SUPPORTED MET(S):** 2

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** Coordinate with organic, theater, and national SIGINT units IOT develop estimates of supportability during the COA development stage of the MCPP.

**CONDITION:** With the aid of references, given a HHQ mission, COA's from an OPT, estimates of supportability from organic, adjacent, theater, national SIGINT organizations, and in a field or garrison environment.

**STANDARD:** To identify estimate of supportability for theater and national SIGINT assets, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. MCDP 1-0 Marine Corps Operations
  2. MCWP 2-1 Intelligence Operations
  3. MCWP 2-3 MAGTF Intelligence Production and Analysis
  4. Local SOP
- 

**SIGT-PLAN-3035** Plan SIGINT operations

**SUPPORTED MET(S):** 2

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** Conduct all planning IOT effectively employ SIGINT assets in support of MAGTF mission.

**CONDITION:** With the aid of references, given HHQ mission, and in a field or garrison environment.

**STANDARD:** To develop a task organized SIGINT force and Concept of

Operations, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. JP 2-01 Joint and National Intelligence Support to Military Operations
  2. MCDP 1-0 Marine Corps Operations
  3. MCRP 2-3A Intelligence Preparation of the Battlefield
  4. MCWP 2-3 MAGTF Intelligence Production and Analysis
  5. MCWP 5-1 Marine Corps Planning Process
- 

**SIGT-PLAN-3036** Determine intelligence architecture requirements

**SUPPORTED MET(S):** 2

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will develop an architecture that satisfies collection, processing, analysis, reporting, dissemination, and command relationship considerations at the national, theater, and tactical levels.

**CONDITION:** With the aid of references, given a mission from HHQ, a list of organic capabilities, a list of subordinate/lateral/higher organizations, and in a field or garrison environment.

**STANDARD:** To provide an architectural overview that details the operational and logical relationships from the collector through the operational consumer, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
  2. DODD S-3115.7 Signals Intelligence
  3. MCRP2-3A Intelligence Preparation of the Battlefield
  4. FM 34-2 Collection Management and Synchronization Planning
  5. MCDP 5 Planning
  6. MCWP 2-1 Intelligence Operations
  7. MCWP 2-22 Signals Intelligence
  8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
- 

**SIGT-PLAN-3037** Support Information Operations (IO)

**SUPPORTED MET(S):** 11

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** SIGINT support will be provided for all IO missions when assigned to an operational planning team.

**CONDITION:** With the aid of references, given a HHQ mission, an IO plan, and in a field or garrison environment.

**STANDARD:** To integrate SIGINT capabilities into Information Operations plan, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. JP-2-0 Doctrine for Intelligence Support to Joint Operations
2. JP 3-13 Joint Doctrine for Information Operations
3. MCWP 3-40.4 MAGTF Information Operations
4. MCDP 1 Warfighting
5. USSID 18
6. USSID 222
7. USSID 252
8. USSID 9
9. NSA/CSS Dir 10-30
10. DCID 1/16 Security Manual for Uniform Protection of Intelligence Processed in AIsS and Networks

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**SIGT-PLAN-3038** Plan for SIGINT support to MAGTF operations

**SUPPORTED MET(S):** 3, 6

**EVALUATION CODED (E-CODE):** YES **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** The unit will plan for the collection, exploitation, production, dissemination, and utilization of SIGINT in support of a MAGTF's scheme of maneuver and force protection, to include Indications and Warning (I&W) derived from national, theater, and tactical sources.

**CONDITION:** With the aid of references, having received a higher-level mission order to conduct SIGINT/EW support to MAGTF operations, given the MAGTF's area of operations, and in a field or garrison environment.

**STANDARD:** To conduct SIGINT/EW operational planning in support of the MAGTF commanders, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. MCDP 1-0 Marine Corps Operations
2. MCRP 2-3A Intelligence Preparation of the Battlefield
3. MCRP 5-12A Operational Terms and Graphics
4. MCWP 2-1 Intelligence Operations
5. MCWP 2-3 MAGTF Intelligence Production and Analysis

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**SIGT-PROD-3039** Produce Orders of Battle (OOB)

**SUPPORTED MET(S):** 4

**EVALUATION CODED (E-CODE):** YES **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Unit produces a SIGINT Order of Battle.

**CONDITION:** With the aid of references, having received a higher level mission order to conduct SIGINT operations, a template of an enemy's order of battle with incomplete details of SIGINT data, and in a field or garrison environment.

**STANDARD:** To maintain the enemy's order of battle, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. JP 2-01 Joint and National Intelligence Support to Military Operations
2. MCDP 1-0 Marine Corps Operations
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. MCWP 2-3 MAGTF Intelligence Production and Analysis
5. MCWP 5-1 Marine Corps Planning Process

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**SIGT-SCTY-3040** Conduct Tactical Sensitive Compartmented Information Facility (T-SCIF) operations

**SUPPORTED MET(S):** 9

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** A T-SCIF is a temporarily accredited facility, room or other area where SCI may be stored, used, discussed and/or electronically processed. In order to fully conduct SIGINT operations, a T-SCIF should be planned for in advance of operations.

**CONDITION:** With the aid of references, given a higher mission order to conduct SIGINT operations, and in a field environment.

**STANDARD:** To operate a T-SCIF in accordance with pertinent regulations, within a time limit established by the commander, in accordance with the references.

**REFERENCES:**

1. DCID 1/21 Physical Security Standards for Sensitive Compartmented Information Facilities
  2. DoDD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security
  3. DoDD 5200.1 DOD Information Security Program
  4. DoDD TS-5105.21-M-2 Sensitive Compartmented Information (SCI) Security Manual, Communications Intelligence (COMINT) Policy
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SIGINT T&R MANUAL

CHAPTER 4

INDIVIDUAL EVENTS MOS 2602

	<u>PARAGRAPH</u>	<u>PAGE</u>
PURPOSE . . . . .	4000	4-2
ADMINISTRATIVE NOTES . . . . .	4001	4-2
INDEX OF INDIVIDUAL EVENTS . . . . .	4002	4-3
SIGINT 2000-LEVEL EVENTS . . . . .	4003	4-8

SIGINT T&R MANUAL

CHAPTER 4

INDIVIDUAL EVENTS MOS 2602

**4000. PURPOSE.** This chapter details the individual training events that pertain to MOS 2602, Signals Intelligence/Electronic Warfare Officer. These events are linked to a service-level Mission Essential Tasks (MET). This linkage tailors individual training for the selected MET. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**4001. ADMINISTRATIVE NOTES.** T&R events are coded for ease of reference. Each event has a 4-4-4-digit identifier. The first four digits represent the occupational field or military occupational specialty (i.e., SIGT, 2602, 2651). This chapter contains 2602 events. The second four digits represent the functional or duty area. The last four digits represent the level, and identifier number of the event. Every individual event has an identifier number from 001 to 999.

**4002. INDEX OF INDIVIDUAL EVENTS**

**1. SIGINT 2000-LEVEL EVENTS.** Signals Intelligence/Electronic Warfare Officer individual events.

EVENT	DESCRIPTION	PAGE
	<b>ANALYSIS</b>	
2602-ANYS-2001	Identify the security procedures of the target computer system	4-8
2602-ANYS-2002	Identify the intrusion detection capabilities of the target computer system	4-8
2602-ANYS-2003	Identify security packages and encryption within a computer network	4-9
2602-ANYS-2004	Reconstruct computer and communications networks	4-10
2602-ANYS-2005	Identify computer network traffic externals	4-11
2602-ANYS-2006	Develop Measures of Effectiveness (MOE) of Computer Network Operations (CNO) in support of Information Operations (IO)	4-12
2602-ANYS-2007	Direct a survey to identify wireless access points on a computer network	4-12
2602-ANYS-2008	Identify computer network access opportunities	4-13
2602-ANYS-2009	Identify computer network vulnerabilities	4-14
2602-ANYS-2010	Identify protocols from computer network traffic	4-15
2602-ANYS-2011	Identify operating systems from computer network traffic	4-15
2602-ANYS-2012	Identify computer network components	4-16
2602-ANYS-2013	Map the computer network environment	4-17
2602-ANYS-2014	Direct computer network nodal analysis	4-18
2602-ANYS-2015	Determine research needs and information sources	4-18
2602-ANYS-2016	Develop target capabilities study	4-19
2602-ANYS-2017	Direct the construction and maintenance of ground, air, and electronic orders of battle	4-20
2602-ANYS-2018	Evaluate collection effectiveness	4-21
2602-ANYS-2019	Extract reportable SIGINT information	4-21
2602-ANYS-2020	Interpret friendly and enemy ELINT parameters list	4-22
2602-ANYS-2053	Determine classification/releasability requirements	4-44
2602-ANYS-2055	Evaluate effectiveness of collection efforts	4-45
2602-ANYS-2056	Obtain collection posture paper and standing collection requirements for national, theater, and organic collection	4-46
2602-ANYS-2057	Describe the functions, capabilities, and components of organic USMC analysis equipment	4-47
2602-ANYS-2058	Evaluate collection site location	4-47
2602-ANYS-2059	Recommend appropriate reporting vehicles and distribution for reportable SIGINT information	4-48
2602-ANYS-2060	Perform quality control of SIGINT reports	4-48



14 Sep 06

2602-ANYS-2061	Produce a fused/correlated SIGINT product	4-49
2602-ANYS-2062	Describe the characteristics of organic USMC SIGINT analysis databases	4-50
2602-ANYS-2063	Identify pertinent collateral information	4-50
2602-ANYS-2064	Participate in all-source fusion analysis	4-51
2602-ANYS-2065	Fuse SIGINT data with collateral information	4-52
2602-ANYS-2066	Conduct Electronic Attack analysis	4-52
2602-ANYS-2067	Conduct line of sight/terrain analysis	4-53
2602-ANYS-2068	Develop jamming calculation/technique	4-53
2602-ANYS-2069	Conduct nodal analysis	4-54
2602-ANYS-2070	Provide SIGINT input to IPB process	4-55
2602-ANYS-2071	Provide SIGINT threat assessment to IO cell	4-55
2602-ANYS-2072	Develop Measures of Effectiveness of Computer Network Operations in support of Information Operations	4-56
2602-ANYS-2074	Correlate national/theater/organic SIGINT data from appropriate databases	4-57
2602-ANYS-2075	Maintain appropriate databases	4-58
2602-ANYS-2076	Monitor enemy situation	4-59
2602-ANYS-2077	Monitor friendly situation	4-59
2602-ANYS-2078	Provide SIGINT input to target area IPB assessment	4-60
2602-ANYS-2079	Review local target list for SIGINT target development	4-61
2602-ANYS-2080	Review joint target list for SIGINT target development	4-61
2602-ANYS-2081	Utilize journal/message reports for SIGINT target development	4-62
2602-ANYS-2082	Utilize Reactive Attack Guidance Matrix (RAGM) for SIGINT target development	4-63
2602-ANYS-2083	Utilize immediate strike list for SIGINT target development	4-63
2602-ANYS-2084	Utilize geo-spatial products for SIGINT target development	4-64
2602-ANYS-2085	Utilize Basic Targeting Graphic (BTG) for SIGINT target development	4-65
2602-ANYS-2086	Utilize Air Tasking Order (ATO) for SIGINT target development	4-66
2602-ANYS-2087	Utilize Battlefield Shaping Matrix (BSM) for SIGINT target	4-66
2602-ANYS-2088	Review Misrep	4-67
2602-ANYS-2089	Conduct air crew debriefs	4-68
2602-ANYS-2093	Use a PROXY server	4-70
2602-ANYS-2094	Describe the relationship of nodal analysis with intel gain loss and battle damage assessments	4-71
2602-ANYS-2117	Conduct terrain analysis ISO of organic SIGINT operations	4-86
<b>COLLECTION</b>		
2602-COLL-2021	Convert Primary Intel Requirements (PIR), Specific Information Requirements (SIR), and SOR's to COMINT collection tasking	4-22
2602-COLL-2090	Evaluate standing collection requirements	4-68

	for national, theater, and organic collection assets	
2602-COLL-2092	Evaluate collection effectiveness	4-70
2602-COLL-2095	Recover computer network routing using multiple sources	4-72
2602-COLL-2096	Conduct wireless access survey	4-72
2602-COLL-2097	Identify computer network access opportunities	4-73
	<b>DISSEMINATION</b>	
2602-DISS-2099	Disseminate computer network exploitation based reporting	4-74
2602-DISS-2100	Synchronize the battle rhythm	4-75
2602-DISS-2113	Employ analyst exchange tools	4-84
	<b>GENERAL INTELLIGENCE</b>	
2602-GENI-2118	Develop an Emergency Action Plan for destruction of classified material	4-87
2602-GENI-2119	Maintain T-SCIF	4-87
	<b>INTELLIGENCE COMMUNICATIONS ARCHITECTURE</b>	
2602-INCA-2116	Operate tactical radio communications equipment and encryption tools	4-85
2602-INCA-2122	Conduct systems configuration management	4-89
	<b>PLANNING</b>	
2602-PLAN-2022	Determine reporting criteria	4-23
2602-PLAN-2023	Coordinate with G6/S6 for communications support	4-24
2602-PLAN-2024	Develop an equipment density list	4-25
2602-PLAN-2025	Determine equipment and personnel shortfalls for a deploying unit	4-25
2602-PLAN-2026	Supervise unit deployment readiness	4-26
2602-PLAN-2027	Request external support to remedy equipment and personnel shortfalls for a deploying unit	4-27
2602-PLAN-2028	Develop a Table of Organization and Equipment (T/O&E)	4-27
2602-PLAN-2029	Develop SIGINT architecture	4-28
2602-PLAN-2030	Determine SIGINT consumers	4-28
2602-PLAN-2031	Obtain SIGINT collection posture statements	4-29
2602-PLAN-2032	Request support from national, theater, and tactical SIGINT assets	4-30
2602-PLAN-2033	Determine SIGINT support to the collection plan	4-30
2602-PLAN-2034	Integrate SIGINT collection tasking into overall collection management plan	4-31
2602-PLAN-2035	Determine and designate SIGINT operational tasking authority	4-32
2602-PLAN-2036	Conduct orders development	4-32
2602-PLAN-2037	Determine SIGINT/EW requirements	4-33
2602-PLAN-2038	Prepare appendix 2, annex B of an operations order	4-34
2602-PLAN-2039	Develop a training plan	4-34
2602-PLAN-2040	Coordinate with SSO for security requirements	4-35
2602-PLAN-2041	Coordinate with CMS for COMSEC materials	4-35

14 Sep 06

2602-PLAN-2042	Provide input on SIGINT capability to support Information Operations	4-36
2602-PLAN-2043	Provide feedback to IO Cell on effectiveness of current information operations campaign	4-37
2602-PLAN-2044	Integrate EW operations into units OPORDS	4-38
2602-PLAN-2045	Coordinate external support from IO organizations	4-38
2602-PLAN-2046	Apply EA control measures, policies, procedures, and authority for a given AO	4-39
2602-PLAN-2047	Assist G-6/S-6 in the compilation of the MAGTF RFL	4-40
2602-PLAN-2054	Prioritize SIGINT requirements	4-45
2602-PLAN-2073	Determine validity of all SIGINT requirements with regard to collection, processing, analysis, reporting, and dissemination	4-57
2602-PLAN-2091	Identify Shortfalls in SIGINT Processes	4-69
2602-PLAN-2101	Coordinate SIGINT support to force protection	4-75
2602-PLAN-2102	Coordinate SIGINT support to transmission security	4-76
2602-PLAN-2103	Determine power requirements	4-77
2602-PLAN-2104	Determine environmental control unit requirements	4-77
2602-PLAN-2105	Request SIGAD and Producer Designator Digraph (PDDG)	4-78
2602-PLAN-2106	Identify legal restrictions associated with computer network exploitation	4-79
2602-PLAN-2107	Assist in the development of Information Operations plans	4-79
2602-PLAN-2108	Coordinate for IP based computer network access	4-80
2602-PLAN-2109	Determine CMS/EKMS requirements for organic SIGINT/EW systems	4-81
2602-PLAN-2110	Plan for EA in support of MAGTF operations	4-81
2602-PLAN-2111	Apply rules of engagement (ROE) to the development of the reactive attack guidance matrix (RAGM)	4-82
2602-PLAN-2112	Review national cryptologic support plan	4-83
2602-PLAN-2114	Describe the characteristics, functionality, and interface requirements for organic SIGINT systems	4-84
2602-PLAN-2115	Consider operational constraints with coalition partners on overall SIGINT planning and operations	4-85
2602-PLAN-2123	Submit a Table of Organization and Equipment Change Request (TOECR) for a standing unit TO&E	4-90
2602-PLAN-2124	Submit system requirements into the formal USMC acquisition process	4-91
2602-PLAN-2125	Submitting training needs and requirements	4-91
<b>PRODUCTION</b>		
2602-PROD-2048	Explain the report development methodology	4-40
2602-PROD-2049	Release SIGINT reports	4-41

2602-PROD-2050	Supervise the production of TERPES products	4-42
2602-PROD-2051	Produce SIGINT gain/loss assessments	4-42
2602-PROD-2098	Capture lessons learned and after action reports on SIGINT operations	4-74
	<b>TARGETING</b>	
2602-TRGT-2052	Direct SIGINT support to the targeting process	4-43
2602-TRGT-2120	Employ organic and non-organic DF and geo-locational resources to fix and locate MAGTF targets	4-88
2602-TRGT-2121	Support personnel recovery	4-89

4003. SIGINT 2000-LEVEL EVENTS

2602-ANYS-2001 Identify the security procedures of the target computer system

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The SIGINT Marine directs computer network operations in support of MAGTF operations, when required identify security procedures of the target computer system, in order to support MAGTF operations.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO3, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given access to an operational computer network, digital network analysis systems, and in a field or garrison environment.

STANDARD: To determine physical and logical security procedures, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

PERFORMANCE STEPS:

1. Analyze trace route output.
2. Analyze post scan output.
3. Determine location and possible configuration of firewall.

REFERENCES:

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
2. NSA/CSS Dir 10-30
3. NSICD 6
4. USSID 18
5. USSID 222 Computer Network Operations
6. USSID 252 Wireless Network Operations
7. USSID 9
8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities

SUPPORT REQUIREMENTS:

ADMIN INSTRUCTIONS: A qualified DNE operator could provide exploratory research.

---

2602-ANYS-2002 Identify the intrusion detection capabilities of the target computer system

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required identify the Intrusion Detection capabilities of the target computer system, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given access to an operational computer network, digital network analysis systems, and in a field or garrison environment.

**STANDARD:** To determine intrusion detection capabilities, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Analyze trace route output.
2. Analyze port scanning output.
3. Determine the location and possible configuration of a firewall.
4. Employ an active Intrusion Detection System.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
2. NSA/CSS Dir 10-30
3. NSICD 6
4. USSID 18
5. USSID 222 Computer Network Operations
6. USSID 252 Wireless Network Operations
7. USSID 9
8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities

**SUPPORT REQUIREMENTS:**

**ADMIN INSTRUCTIONS:** A qualified DNE operator could provide exploratory research.

---

**2602-ANYS-2003** Identify security packages and encryption within a computer network

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will identify security packages and encryption within a computer network, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given an encrypted packet, and in a field or garrison environment.

**STANDARD:** In order to determine encryption methods, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify security packages.
2. Evaluate security packages.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
  2. NSA/CSS Dir 10-30
  3. NSICD 6
  4. USSID 18
  5. USSID 222 Computer Network Operations
  6. USSID 252 Wireless Network Operations
  7. USSID 9
  8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
- 

**2602-ANYS-2004** Reconstruct computer and communications networks

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing SIGINT Operations in support of MAGTF operations, when required will be able to state the methodologies involved and direct the reconstruction of target computer and communications networks to include terminals, nodes, links, and modes of transmission.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given applicable data collected on a targeted network, network reconstruction tools, access to appropriate databases, and in a field or garrison environment.

**STANDARD:** To generate appropriate graphic and narrative reports based on information recovered, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Perform WHOIS queries on IP addresses found in network traffic.
2. Perform TRACEROUTES to the network devices to get ingress and egress

- points and connectivity to the network.
3. Perform IP queries on sites such as Netcraft and Centralops (Domain dossier) to get host operation system information.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
  2. NSA/CSS Dir 10-30
  3. NSICD 6
  4. USSID 18
  5. USSID 222 Computer Network Operations
  6. USSID 252 Wireless Network Operations
  7. USSID 9
  8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
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**2602-ANYS-2005** Identify computer network traffic externals

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will analyze computer network traffic to determine what type of network externals are being utilized in order to support MAGTF information operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given an example of network collection, access to appropriate databases, and in a field or garrison environment,

**STANDARD:** To report the actionable and technical intelligence derived from the network traffic externals, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify critical nodes based on new textual information.
2. Analyze critical nodes for support.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
2. NSA/CSS Dir 10-30
3. NSICD 6
4. USSID 18
5. USSID 222 Computer Network Operations
6. USSID 252 Wireless Network Operations
7. USSID 9
8. DCID 6/9 Physical Security Standards for Sensitive Compartmented



Information Facilities

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**2602-ANYS-2006** Develop Measures of Effectiveness (MOE) of computer network operations (CNO) in support of Information Operations (IO)

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will measure the effectiveness of computer network operations, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given an example of actionable network traffic, or associated SIGINT reporting, and in a field or garrison environment.

**STANDARD:** To determine the effectiveness of computer network operations based on the reflections of those activities derived from targeted computer networks or associated SIGINT analysis, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Using data from CNE operations, identify hardware network components and associated vulnerabilities.
2. Using data from CNE operations, identify software present in the network and associated vulnerabilities.
3. Determine the intelligence value of information from CNE operations.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
  2. NSA/CSS Dir 10-30
  3. NSICD 6
  4. USSID 18
  5. USSID 222 Computer Network Operations
  6. USSID 252 Wireless Network Operations
  7. USSID 9
  8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
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**2602-ANYS-2007** Direct a survey to identify wireless access points on a computer network

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will review and comment on wireless access survey plans, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a wireless survey plan, an overview of the target environment which will include physical, geographic, and radio frequency characteristics, and in a field or garrison environment,

**STANDARD:** In performance step sequence,, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Use open source and classified information to determine the signal environment of a target area.
2. Plan a patrol or transportation route to best map the wireless devices in a given area.
3. Configure a vehicle for wireless survey operations.
4. Configure a backpack for wireless survey operations.
5. Safely store, transport and destroy wireless network data.
6. Identify and use classified and unclassified wireless network tools.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
2. NSA/CSS Dir 10-30
3. NSICD 6
4. USSID 18
5. USSID 222 Computer Network Operations
6. USSID 252 Wireless Network Operations
7. USSID 9
8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities

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**2602-ANYS-2008** Identify computer network access opportunities

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will analyze a computer network and identify all available network accesses in order to support MAGTF information operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a completed network diagram, a list of available access tools, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify all means of network access.
2. Create map based on Access Control list.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
  2. NSA/CSS Dir 10-30
  3. NSICD 6
  4. USSID 18
  5. USSID 222 Computer Network Operations
  6. USSID 252 Wireless Network Operations
  7. USSID 9
  8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
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**2602-ANYS-2009** Identify computer network vulnerabilities

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will analyze a computer network and identify any known network vulnerabilities in order to support MAGTF information operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a completed network diagram, necessary computer hardware and software with applicable network interfaces, and vulnerability testing application, and in a field or garrison environment.

**STANDARD:** So that all vulnerabilities within the targeted network are identified, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Using well-known security databases find vulnerabilities for hardware on target network/system.
2. Evaluate hardware vulnerabilities.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related

- Activities
2. NSA/CSS Dir 10-30
  3. NSICD 6
  4. USSID 18
  5. USSID 222 Computer Network Operations
  6. USSID 252 Wireless Network Operations
  7. USSID 9
  8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
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**2602-ANYS-2010** Identify protocols from computer network traffic

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will identify protocols from Computer Network traffic, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given an example of network collection, and in a field or garrison environment.

**STANDARD:** To determine all applicable protocols in network traffic, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify protocols.
2. Evaluate protocols.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
  2. NSA/CSS Dir 10-30
  3. NSICD 6
  4. USSID 18
  5. USSID 222 Computer Network Operations
  6. USSID 252 Wireless Network Operations
  7. USSID 9
  8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
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**2602-ANYS-2011** Identify operating systems from computer network traffic

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will identify operating systems from Computer network traffic, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given an example of network collection, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Use Internet sties to determine the last reported system configuration.
2. Perform passive network scans or banner grabs to determine host operating systems.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
  2. NSA/CSS Dir 10-30
  3. NSICD 6
  4. USSID 18
  5. USSID 222 Computer Network Operations
  6. USSID 252 Wireless Network Operations
  7. USSID 9
  8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
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**2602-ANYS-2012** Identify computer network components

**EVALUATION CODED (E-CODE):** NO

**SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will analyze a computer network and identify all network components to include hubs, routers, and switches, in order to support MAGTF information operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** Without the aid of references, given a network hub, switch, router, or other hardware of interest, and in a field or garrison environment.

**STANDARD:** In performance step sequence,, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Analyze raw data to determine network devices via routing protocols, i.e. RIP, OSPF, IFRP, EIGRP and CDP.
2. Determine from traffic analysis where the ingress and egress points are located.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
  2. NSA/CSS Dir 10-30
  3. NSICD 6
  4. USSID 18
  5. USSID 222 Computer Network Operations
  6. USSID 252 Wireless Network Operations
  7. USSID 9
  8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
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**2602-ANYS-2013** Map the computer network environment

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will verify, and validate, a map of the targeted computer network environment, in order to support MAGTF information operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a completed computer network map, and in a field or garrison environment.

**STANDARD:** To provide a graphic target computer network map, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Perform WHOIS queries on IP addresses found in network traffic.
2. Perform TRACEROUTES to the network devices to get ingress and egress points and connectivity to the network.
3. Perform IP queries on sites such as Netcraft and Centralops (Domain dossier) to get host operation system information.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities

2. NSA/CSS Dir 10-30
3. NSICD 6
4. USSID 18
5. USSID 222 Computer Network Operations
6. USSID 252 Wireless Network Operations
7. USSID 9
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**2602-ANYS-2014** Direct computer network nodal analysis

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will describe the methodology, software applications, research techniques, and product requirements necessary to direct computer network nodal analysis, in order to support MAGTF information operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, and in a field or garrison environment.

**STANDARD:** To identify the targeted network, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Conduct call sign analysis.
2. Conduct communications schedule analysis.
3. Conduct frequency analysis.

**REFERENCES:**

1. DCID 7/3 Information Operations and Intelligence Community Related Activities
2. NSA/CSS Dir 10-30
3. NSICD 6
4. USSID 18
5. USSID 222 Computer Network Operations
6. USSID 252 Wireless Network Operations
7. USSID 9
8. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities

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**2602-ANYS-2015** Determine research needs and information sources

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Prior to issuing analyst tasking, the officer will determine the research needs and information resources of the analysis section.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, critical intelligence requirements, a list of, access to necessary resources, and in a field or garrison environment.

**STANDARD:** To satisfy given intelligence requirements, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify related databases.
2. Utilize related databases.
3. Identify proper mediums for conducting database research.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. FM 34-2 Collection Management and Synchronization Planning
  4. MCDP 5 Planning
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-22 Signals Intelligence
  7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-ANYS-2016** Develop target capabilities study

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** In order to provide an all-source study, the officer will produce a SIGINT capabilities study. This study includes target communications, electronic order of battle, and SIGINT capabilities.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, a list of, and access to research and information sources, order of battle information, and in a field or garrison environment.

**STANDARD:** To support all-source fusion efforts and operational requirements, in performance step sequence, within a time limit established by the commander, and in accordance with the references.



**PERFORMANCE STEPS:**

1. Gather SIGINT data.
2. Review and organize data.
3. Present analyzed data.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. FM 34-2 Collection Management and Synchronization Planning
  4. MCDP 5 Planning
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-22 Signals Intelligence
  7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-ANYS-2017** Direct the construction and maintenance of ground, air, and electronic orders of battle

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** In order to provide ground, air, and electronic orders of battle (EOB), the SIGINT officer must describe the methodology, software applications, research techniques, and product requirements necessary to direct the construction of electronic orders of battle.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, access to appropriate information sources, analytical tools, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Review intelligence data.
2. Organize intelligence data.
3. Create order of battle.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. FM 34-2 Collection Management and Synchronization Planning
  4. MCDP 5 Planning
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-22 Signals Intelligence
  7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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2602-ANYS-2018 Evaluate collection effectiveness

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: Following the dissemination of SIGINT products, the officer must compare satisfied requirements with unmet SIGINT requirements.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given a mission from HHQ, critical information requirements (CIR), sample of technical and actionable information reports, the current collection posture, and in a field or garrison environment.

STANDARD: To modify current collection tasking, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

PERFORMANCE STEPS:

1. Collect feedback.
2. Evaluate responses.
3. Reassess courses of action.

REFERENCES:

1. DODD S-3115.7 Signals Intelligence
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. FM 34-2 Collection Management and Synchronization Planning
  4. MCDP 5 Planning
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-22 Signals Intelligence
  7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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2602-ANYS-2019 Extract reportable SIGINT information

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: Upon receipt of processed SIGINT information, the officer must be able to extract the pertinent, reportable, actionable intelligence information.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given a mission from HHQ, sample SIGINT information, critical information requirements, technical reporting criteria, and in a field or garrison environment.

**STANDARD:** To provide a SIGINT threat assessment, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Receive COMINT data.
2. Receive ELINT data.
3. Extract the pertinent information (5 W's).
4. Generate a SIGINT product.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
2. MCRP 2-3A Intelligence Preparation of the Battlefield
3. FM 34-2 Collection Management and Synchronization Planning
4. MCWP 2-1 Intelligence Operations
5. MCWP 2-22 Signals Intelligence
6. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-ANYS-2020** Interpret friendly and enemy ELINT parameters list

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Be able to determine an emitter as either friend or foe.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given an ELINT parameters list, and in a field or garrison environment.

**STANDARD:** To identify weapons platforms as compared parametric data, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify collected data.
2. Validate data.
3. Analyze collected parametric data for reporting.
4. Match data to know databases.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
2. MCWP 2-22 Signals Intelligence

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**2602-COLL-2021** Convert Primary Intel Requirements(PIR), Specific Information Requirements (SIR), and SOR's to COMINT collection tasking

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer will review all intelligence requirements, evaluate organic, theater, and national collection capabilities against target emitters, and draft a collection management plan to maximize collection effectiveness of available resources.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a list of all available collection assets, all intelligence requirements, mission from HHQ, a list of target emitters to include type and location, and in a field or garrison environment.

**STANDARD:** To generate a collection management plan, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify intelligence requirements (IRs).
2. Validate IRs.
3. Prioritize IRs.
4. Conduct requirements analysis.
5. Identify indicators.
6. Develop specific information requirements (SIRs).
7. Develop specific orders or requests (SORs).
8. Develop a collection plan worksheet.
9. Maintain a collection plan worksheet.
10. Develop a collection tasking worksheet.
11. Maintain a collection tasking worksheet.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
2. MCRP 2-3A Intelligence Preparation of the Battlefield
3. FM 34-2 Collection Management and Synchronization Planning
4. MCWP 2-1 Intelligence Operations
5. MCWP 2-22 Signals Intelligence
6. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2022** Determine reporting criteria

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual will develop the reporting criteria for all actionable intelligence to include target country, event, time constraints, periodicity, requirement, and reporting vehicle.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, Critical Information Requirements, a list of reporting requirements, authorized reporting vehicles, a list of report recipients, and in a field or garrison environment.

**STANDARD:** To best satisfy consumer requirements, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify reporting criteria.
2. Outline reporting guidance to subordinate organic resources on thresholds relevant to their target set.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
2. MCRP 2-3A Intelligence Preparation of the Battlefield
3. FM 34-2 Collection Management and Synchronization Planning
4. MCDP 5 Planning
5. MCWP 2-1 Intelligence Operations
6. MCWP 2-22 Signals Intelligence
7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2023** Coordinate with G6/S6 for communications support

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or SIGINT detachment OIC coordinate communications support required to facilitate SIGINT operations in support of MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, communications architecture, communication requirements at the unclassified, GENSER, and SCI levels, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Describe the considerations of the implementation and sustainment of the COMSEC material system (CMS).
2. Identify electronic and hard copy key distribution techniques with and without an organic EKMS manager.
3. Identify CMS/EKMS requirements.
4. Generate a TSR and submit to higher headquarters.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems

2. DODD S-3115.7 Signals Intelligence
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. MCDP 5 Planning
5. MCWP 2-1 Intelligence Operations
6. MCWP 2-22 Signals Intelligence
7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2024** Develop an equipment density list

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or detachment OIC determine the equipment density list to support SIGINT operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, a list of available SIGINT, combat support equipment, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify organic equipment.
2. Request needed non-organic equipment.
3. Produce itemized list.

**REFERENCES:**

1. MCDP 4 Logistics
2. MCWP 2-1 Intelligence Operations
3. Local SOP

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**2602-PLAN-2025** Determine equipment and personnel shortfalls for a deploying unit

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or detachment OIC, determine the equipment and personnel shortfalls for the conduct of SIGINT operations for a deploying unit.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

14 Sep 06

**CONDITION:** With the aid of references, given a mission from HHQ, a list of available SIGINT equipment, and personnel requirements, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify needed equipment.
2. Identify needed personnel.
3. Produce list of deficiencies and shortfalls.

**REFERENCES:**

1. MCDP 4 Logistics
  2. MCDP 5 Planning
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**2602-PLAN-2026** Supervise unit deployment readiness

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or SIGINT detachment commander ensure the deployment readiness of task organized SIGINT unit in order to deploy in support of MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, a deploying T/O&E, and in a field or garrison environment.

**STANDARD:** To ensure the overall operational, logistical, and administrative readiness for the deploying unit, in performance step sequence within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Obtain deploying units 180 day checklist.
2. Identify logistics support required, weapons and ammunition requirements, EKMS management, motor transport requirements, maintenance cycle, communications coordination, embarkation requirements, administrative requirements, and SSO requirements.
3. Ensure medical and dental readiness.
4. Manage T/O, and T/E requirements.
5. Manage required training.
6. Produce SITREP's as required to keep MAGTF and Radio Bn abreast of your status.

**REFERENCES:**

1. MCDP 5 Planning
  2. MCO P3500.72 Marine Corps Ground Training and Readiness Program
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**2602-PLAN-2027** Request external support to remedy equipment and personnel shortfalls for a deploying unit

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or SIGINT detachment OIC, the officer will be familiar with the processes to generate and staff a request for external support to fulfill equipment and personnel shortfalls determined by mission requirements for a deploying unit.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of reference, given a mission from HHQ, an equipment and personnel shortfalls list, and in a field or garrison environment.

**STANDARD:** To remedy equipment and personnel shortfalls, within a time limit established by the commander, and in accordance with the reference.

**PERFORMANCE STEPS:**

1. Determine T/O and T/E standards for deployment.
2. Generate an individual augmentation request to fill personnel shortfalls.
3. Submit request for equipment shortfalls.

**REFERENCE:**

1. MCDP 4 Logistics
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**2602-PLAN-2028** Develop a Table of Organization and Equipment (T/O&E)

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or detachment OIC determines the table of organization to support SIGINT operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Develop a T/O in accordance with the OPORDER.
2. Develop a T/E in accordance with the OPORDER.



**REFERENCES:**

1. MCDP 4 Logistics
2. MCRP 5-12D Organization of Marine Corps Forces
3. MCWP 2-22 Signals Intelligence

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**2602-PLAN-2029** Develop SIGINT architecture

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual will develop an architecture that satisfies collection, processing, analysis, reporting, dissemination, and command relationship considerations at the national, theater, and tactical levels.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, a list of organic capabilities, a list of subordinate/lateral/higher organizations, and in a field or garrison environment.

**STANDARD:** To provide a list of organic capabilities that details the operational (functional) and logical (systems) relationships, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Evaluate architectures.
2. Provide architectures.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
2. DODD S-3115.7 Signals Intelligence
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. FM 34-2 Collection Management and Synchronization Planning
5. MCDP 5 Planning
6. MCWP 2-1 Intelligence Operations
7. MCWP 2-22 Signals Intelligence
8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2030** Determine SIGINT consumers

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual will develop a list of recipients for the unit's technical and operational reporting.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, a list of potential national, theater, tactical level consumers, and in a field or garrison environment.

**STANDARD:** Within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEP:**

1. Identify consumers based on IR'S.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. FM 34-2 Collection Management and Synchronization Planning
  4. MCDP 5 Planning
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-22 Signals Intelligence
  7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-PLAN-2031** Obtain SIGINT collection posture statements

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual will state the purpose, content, and how to obtain a collection posture statement in order to maximize collection resources.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission statement from HHQ, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Determine what SIGINT assets are operating in AO.
2. Conduct collection capabilities assessment.
3. Request capability statements from adjacent SIGINT units.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
2. MCRP 2-3A Intelligence Preparation of the Battlefield
3. FM 34-2 Collection Management and Synchronization Planning
4. MCDP 5 Planning
5. MCWP 2-1 Intelligence Operations
6. MCWP 2-22 Signals Intelligence

7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2032** Request support from national, theater, and tactical SIGINT assets

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner, determine the supportability of national, theater, and tactical SIGINT organizations and state the steps required to leverage that support.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, a list of national, theater, tactical intelligence requirements, collection posture of all SIGINT assets at each echelon, and in a field or garrison environment.

**STANDARD:** To determine the supportability of the SIGINT assets at each echelon from tactical to national, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the relationship, roles, and functions of the theater SIGINT manager.
2. Identify theater collection platforms.
3. Describe theater level SIGINT capabilities, and limitations.
4. Determine SIGINT coordination with theater collection agencies.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. FM 34-2 Collection Management and Synchronization Planning
  4. MCDP 5 Planning
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-22 Signals Intelligence
  7. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-PLAN-2033** Determine SIGINT support to the collection plan

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** While acting as a SIGINT planner or SIGINT collection manager during the COA development phase, working in conjunction with the collection manager at HHQ or parent unit, the officer must coordinate, request, and direct collection tasking to maximize collection effectiveness utilizing assets at all echelons.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, a collection posture statement, and a list of organic collection capabilities, and in a field or garrison environment.

**STANDARD:** At each echelon and incorporate that support into all applicable plans, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the relationship, roles, and functions of the theater SIGINT manager.
2. Identify theater collection platforms.
3. Describe theater level SIGINT capabilities, and limitations.
4. Determine SIGINT coordination with theater collection agencies.

**REFERENCES:**

1. MCRP 2-3A Intelligence Preparation of the Battlefield
  2. FM 34-2 Collection Management and Synchronization Planning
  3. MCWP 2-1 Intelligence Operations
  4. MCWP 2-22 Signals Intelligence
  5. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-PLAN-2034** Integrate SIGINT collection tasking into overall collection management plan

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or SIGINT collection manager, assigned to an OPT of the MAGTF coordinate SIGINT support to the MAGTF collection plan during the COA development phase.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission statement from HHQ, a list of SIGINT capabilities at the national, theater, and tactical levels, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the relationship, roles, and functions of the theater SIGINT manager.
2. Identify theater collection platforms.
3. Describe theater level SIGINT capabilities, and limitations.

4. Determine SIGINT coordination with theater collection agencies.

**REFERENCES:**

1. FM 34-2 Collection Management and Synchronization Planning
2. MCWP 2-1 Intelligence Operations
3. MCWP 2-22 Signals Intelligence
4. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2035** Determine SIGINT operational tasking authority

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** When assigned as a MAGTF SIEW officer, or collection manager, provide technical assistance to the SIO to determine and designate SOTA for organic SIGINT units IOT effectively task organic SIGINT units during the COA development phase of the MCPP, or as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of reference, given a mission from HHQ, appropriate messages that delegate authority, a description of operational and administrative control relationships, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the reference.

**PERFORMANCE STEPS:**

1. Employ SIGINT assets and resources in a tactical environment.
2. Conduct unit-level SIGINT training.
3. Conduct unit-level screening for qualified personnel.
4. Conduct unit-level administration.

**REFERENCE:**

1. USSID 4 Concept of SIGINT support to military commanders

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**2602-PLAN-2036** Conduct orders development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT planner develops orders in support of MAGTF operations in order to effectively convey requirement to supporting SIGINT units during the orders development phase of MCPP.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, and in a field or garrison environment.

**STANDARD:** To include the appropriate appendices and annexes in the overall operations order, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Provide intelligence input to orders development.
2. Prepare the supporting intelligence portions of an order or plan.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. MCDP 5 Planning
  4. MCWP 2-1 Intelligence Operations
  5. MCWP 2-22 Signals Intelligence
  6. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-PLAN-2037** Determine SIGINT/EW requirements

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or detachment OIC coordinates the SIGINT/EW requirements and operations, to include collection, processing, analysis, reporting, and dissemination to support assigned missions.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, SIGINT architecture, a list of SIGINT requirements, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Collect data.
2. Analyze data.
3. Disseminate data.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
2. DODD S-3115.7 Signals Intelligence
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. FM 34-2 Collection Management and Synchronization Planning
5. MCDP 5 Planning
6. MCWP 2-1 Intelligence Operations

7. MCWP 2-22 Signals Intelligence
8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2038** Prepare appendix 2, annex B of an operations order

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or SIGINT detachment OIC, provide Appendix 2, Annex B of an operations order to the G2/S2 for inclusion in the MAGTF OpOrd.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of reference, given a mission from HHQ, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Provide intelligence input to orders development.
2. Prepare the supporting intelligence portions of an order or plan.

**REFERENCES:**

1. JP 2-01 Joint and National Intelligence Support to Military Operations
2. MCDP 1-0 Marine Corps Operations
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. MCWP 2-3 MAGTF Intelligence Production and Analysis
5. MCWP 5-1 Marine Corps Planning Process

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**2602-PLAN-2039** Develop a training plan

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or detachment OIC develop a training plan to meet mission essential tasks in support of assigned SIGINT mission

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, parent and supported unit training requirements, a METL and in a field or garrison environment.

**STANDARD:** To meet all training requirements from the parent and supported command, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Collect information.
2. Evaluate information.
3. Develop a plan.

**REFERENCES:**

1. MCO 1553.3A Unit Training Manual
2. MCO P1200.16 MOS Manual
3. MCO P3500.72 Marine Corps Ground Training and Readiness Program (Ground T&R Program)

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**2602-PLAN-2040** Coordinate with SSO for security requirements

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or SIGINT detachment OIC coordinate with the SSO for special security requirements in order to accomplish assigned mission.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, parent and supported unit security requirements, and in a field or garrison environment.

**STANDARD:** To ensure that detachment personnel meet all security requirements, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Determine security requirements for the operation.
2. Obtain program access as needed.

**REFERENCES:**

1. DCID 6/3 Protecting Sensitive Compartmented Information, (SCI) within Information Systems
2. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities

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**2602-PLAN-2041** Coordinate with CMS for COMSEC materials

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12



**DESCRIPTION:** As a SIGINT planner or SIGINT detachment OIC coordinate with the CMS Custodian for necessary COMSEC Materials in order to accomplish assigned mission.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, parent and supported unit CMS custodial requirements, and in a field or garrison environment.

**STANDARD:** To meet all COMSEC requirements have been met, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Describe the considerations of the implementation and sustainment of the COMSEC material system (CMS).
2. Identify electronic and hard copy key distribution techniques with and without an organic EKMS manager.
3. Identify CMS/EKMS requirements.
4. Request CMS/EKMS for organic systems.

**REFERENCES:**

1. AIS System Manual
  2. Applicable COMSEC equipment operator's manual CMS-1
  3. Communications Security Material System (CMS) Policy and Procedures Manual
  4. DOD S-5105.21 Department of Defense (DoD) 1 (M-1)
  5. DOD TS-5105.21 (M-2)
  6. DOD TS-5105.21 Department of Defense (DoD) (M-3)
  7. DCID 1/16 Security Manual for Uniform Protection of Intelligence Processed in AISs and Networks
  8. DCID 1/14 Personnel Security Standards and Procedures Governing
  9. Eligibility for Access to Sensitive Compartmented Information
  10. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
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**2602-PLAN-2042** Provide input on SIGINT capability to support Information Operations

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT planner when assigned to an operational planning team will provide input on SIGINT capability to support Information Operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, an information operations plan, and in a field or garrison environment.

**STANDARD:** To fully integrated SIGINT capabilities into the IO plan, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify characteristics and components of IO.
2. Identify the relationship between SIGINT and IO.
3. Identify National and Joint IO organizations and roles they play in the execution of IO activities.

**REFERENCES:**

1. JP-2-0 Doctrine for Intelligence Support to Joint Operations
  2. JP 3-13 Joint Doctrine for Information Operations
  3. MCWP 3-40.4 MAGTF Information Operations
  4. MCDP 1-0 Marine Corps Operations
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**2602-PLAN-2043** Provide feedback to IO Cell on effectiveness of current information operations campaign

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT planner when assigned to an operational planning team will provide feedback to IO cell on effectiveness of current information operations campaign.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a current status brief from an information operations campaign, sample of relevant SIGINT information, an information operations plan, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Collect feedback.
2. Evaluate responses.
3. Reassess courses of action.

**REFERENCES:**

1. JP-2-0 Doctrine for Intelligence Support to Joint Operations
  2. JP 3-13 Joint Doctrine for Information Operations
  3. MCWP 3-40.4 MAGTF Information Operations
  4. MCDP 1-0 Marine Corps Operations
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**2602-PLAN-2044** Integrate EW operations into units OPORDS

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT planner when assigned to an operational planning team will coordinate and integrate EW operations into the overall operational plan. Considerations include but are not limited to communications, fires, intelligence gain/loss assessments, intelligence collection plans, GPS communications, JRFL, EW fratricide, airborne EW missions, etc.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, an organic EW operations plan, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Coordinate with the S/G-3 and deconfliction with the S/G-6.
2. Interdict enemy communications networks in support of MAGTF operations.

**REFERENCES:**

1. JP-2-0 Doctrine for Intelligence Support to Joint Operations
  2. JP 3-13 Joint Doctrine for Information Operations
  3. MCWP 3-40.4 MAGTF Information Operations
  4. MCDP 1 Warfighting
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**2602-PLAN-2045** Coordinate external support from IO organizations

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT planner when assigned to an operational planning team will coordinate with external SIGINT activities for support to the unit's IO plan.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, an information operations plan, a list of agencies and types of support provided, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify national resources.
2. Identify the information operation process within the national collection arena.
3. Identify equipment required to access the national information operation support efforts.
4. Identify the parameters of the radio types employed by potential information operation candidates.
5. Access the national information operation support efforts.

**REFERENCES:**

1. JP-2-0 Doctrine for Intelligence Support to Joint Operations
2. JP 3-13 Joint Doctrine for Information Operations
3. MCWP 3-40.4 MAGTF Information Operations
4. MCDP 1-0 Marine Corps Operations

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**2602-PLAN-2046** Apply EA control measures, policies, procedures, and authority for a given AO

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual must identify the EA control measures, policies, procedures, and authority for a given AO, and apply them to the EW planning and operations in support of MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, a list of available EA assets, a list of pertinent references, a sample JRFL, a outline of unit EA procedures including EA control authority, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Brief the relationship between SIGINT, EW, and IO.
2. Brief EW considerations ISO MAGTF mission.
3. Brief EW assets available to the MAGTF commander both organic and non-organic.
4. Brief capabilities and limitations of Marine Corps EW systems.
5. Brief considerations for the employment of EW.
6. Brief constraints on the implementation of EA in support of Force Protection related targets or non-EWCC coordinated fires.

**REFERENCES:**

1. MCWP 3-40.5 Electronic Warfare
  2. MCWP 3-40.4 Information Operations
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**2602-PLAN-2047** Assist G-6/S-6 in the compilation of the MAGTF RFL

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT/EW officer must assist G-6/S-6 in the compilation of the MAGTF restricted frequencies list as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, a list of communications and intelligence collections requirements, and in a field or garrison environment.

**STANDARD:** To ensure that all protected and targeted frequencies are contained in the MAGTF RFL, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Brief the relationship between SIGINT, EW, and IO.
2. Brief EW considerations ISO MAGTF mission.
3. Brief EW assets available to the MAGTF commander both organic and non-organic.
4. Brief capabilities and limitations of Marine Corps EW systems.
5. Brief considerations for the employment of EW.
6. Brief constraints on the implementation of EA in support of Force Protection related targets or non-EWCC coordinated fires.

**REFERENCES:**

1. FM 34-2 Collection Management and Synchronization Planning
  2. JP 6-0 Joint Communication System
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**2602-PROD-2048** Explain the report development methodology

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT/EW officer must ensure that analyst utilize appropriate methods to collate existing information with new information during the report production phase.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, current collection data, a sample of new information, an audience and in a field or garrison environment.

14 Sep 06

**STANDARD:** To describe the methodology used to integrate current and new information in order to generate initial and follow-up SIGINT reports, in accordance with the references.

**PERFORMANCE STEPS:**

1. Explain SIGINT reporting procedures.
2. Brief the elements of SIGINT intelligence formats.
3. Brief criteria for a CRITIC report.
4. Brief the elements and criteria associated with a KLEIGLIGHT.
5. Brief the elements of a TACREP.
6. Determine serialization strategies for all organic reporting.
7. Brief reporting authorities at a Radio Bn.
8. Determine timeliness requirements associated with various report formats.
9. Brief an EGRAM and all origination codes.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
  2. NAVSECGRUINST S2501 Special Security Communications Manual
  3. USSID 240 ELINT Processing, Analysis, Reporting, and Forwarding Procedures
  4. USSID 300 SIGINT Reporting
  5. USSID 316 Non-Codeword Reporting Program
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**2602-PROD-2049** Release SIGINT reports

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT/EW officer must ensure that all SIGINT reports are valid with regard to format, content, timeliness, relevancy, and dissemination methods and requirements. Report types may include critics, techreps, products, summaries, KL/tacreps, and other reports, as necessary.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, sample collated information, sample reports, reporting criteria, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Explain SIGINT reporting procedures.
2. Brief the elements of SIGINT intelligence formats.
3. Brief criteria for a CRITIC report.
4. Brief the elements and criteria associated with a KLEIGLIGHT.
5. Brief the elements of a TACREP.
6. Determine serialization strategies for all organic reporting.
7. Brief reporting authorities at a Radio Bn.
8. Determine timeliness requirements associated with various report formats.
9. Brief an EGRAM and all origination codes.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
  2. NAVSECGRUINST S2501 Special Security Communications Manual
  3. USSID 240 ELINT Processing, Analysis, Reporting, and Forwarding Procedures
  4. USSID 300 SIGINT Reporting
  5. USSID 316 Non-Codeword Reporting Program
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**2602-PROD-2050** Supervise the production of TERPES products

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a TERPES OIC, the officer will demonstrate familiarity with the purpose, content, and methods of generating TERPES products.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, collection data, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Provide quality control of ELINT products released.
2. Develop products based on aircrew requirements.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
  2. NAVSECGRUINST S2501 Special Security Communications Manual
  3. USSID 240 ELINT Processing, Analysis, Reporting, and Forwarding Procedures
  4. USSID 300 SIGINT Reporting
  5. USSID 316 Non-Codeword Reporting Program
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**2602-PROD-2051** Produce SIGINT gain/loss assessments

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer will determine the impact of either kinetic or non-kinetic attack on SIGINT sources/targets and produce that assessment in the appropriate format. Make recommendations as to the appropriate weapon platform that will most effectively balance intelligence requirements with operational considerations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

14 Sep 06

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, a list of SIGINT sources/targets, a targeting list containing weapons platforms, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the steps in the targeting process.
2. Develop a SIGINT support plan.
3. Continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.
4. From pre-strike to post strike BDA, continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.

**REFERENCES:**

1. MCRP 2-3A Intelligence Preparation of the Battlefield
  2. FM 34-2 Collection Management and Synchronization Planning
  3. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-TRGT-2052** Direct SIGINT support to the targeting process

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer will describe the methodology and processes involved with SIGINT support to targeting. This includes but is not limited to developing initial target sets, exploiting targets of opportunity, supporting the reactive targeting process, and battle damage assessment.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a mission from HHQ, enemy orders of battle, commander's targeting guidance, battle damage assessment reports, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Develop a list of Targets.
2. Maintain a list of targets.
3. Develop a No Strike Target List.
4. Maintain a No Strike Target List.
5. Develop High-Payoff Target (HPT) matrix.
6. Maintain a HPT matrix.
7. Develop an Attack Guidance Matrix (AGM).
8. Maintain an AGM.



9. Develop Battlespace Shaping Matrix (BSM).
10. Maintain a BSM.
11. Develop a target folder.
12. Maintain a target folder.
13. Track combat assessment data.
14. Maintain combat assessment data.
15. Develop Target Intelligence Collection Requirements.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
2. MCRP 2-3A Intelligence Preparation of the Battlefield
3. FM 34-2 Collection Management and Synchronization Planning
4. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-ANYS-2053** Determine classification/releasability requirements

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Prior to the release of a SIGINT product, the officer must determine the appropriate classification and releasability of the information contained therein.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of reference, given a higher-level mission order to conduct SIGINT Operations, a list of product consumers and intelligence producers, sample technical and intelligence information, a list of SIGINT products including technical and intelligence reports to be produced, classifications references, and in a field or garrison environment.

**STANDARD:** To produce classification/releasability guidance for all SIGINT products, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify personnel and physical security requirements for handling and managing GENSER and SI magnetic media and hardcopy Intelligence products.
2. Identify rules and regulations requirements for handling classified information.
3. Identify key personnel responsible for classified information.
4. Identify authorized means for sending classified information via courier or defense courier service (DCS).
5. Properly classify material.

**REFERENCES:**

1. NSA/CSSM 123-2
  2. DoD 5200.1 DOD Information Security Program
  3. DoD 5200.1-R Information Security Program Regulation
  4. SECNAVINST 5510.36 DON Information Security Program (ISP) Regulation
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**2602-PLAN-2054** Prioritize SIGINT requirements

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer must state the processes, and purpose, of receiving, reviewing, and prioritizing SIGINT requirements from national, theater, and organic consumers.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT Operations, SIGINT requirements from national, theater, and organic consumers and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify intelligence requirements (IRs).
2. Validate IRs.
3. Prioritize IRs.
4. Conduct requirements analysis.
5. Identify indicators.
6. Develop specific information requirements (SIRs).
7. Develop specific orders or requests (SORs).
8. Develop a collection plan worksheet.
9. Maintain a collection plan worksheet.
10. Develop a collection tasking worksheet.
11. Maintain a collection tasking worksheet.

**REFERENCES:**

1. DODD S-3115.7 Signals Intelligence
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. FM 34-2 Collection Management and Synchronization Planning
  4. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-ANYS-2055** Evaluate effectiveness of collection efforts

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF Operations, when required will detail the effectiveness of current collection efforts against standing collection requirements.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

14 Sep 06

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT Operations, a list of current SIGINT requirements, a list of sample collected SIGINT information to include source and content, current collection posture outlining current national, theater, and organic tasking, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Collect feedback.
2. Evaluate responses.
3. Reassess courses of action.

**REFERENCES:**

1. MCRP 2-3A Intelligence Preparation of the Battlefield
  2. FM 34-2 Collection Management and Synchronization Planning
  3. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-ANYS-2056** Obtain collection posture paper and standing collection requirements for national, theater, and organic collection

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF Operations, when required will detail the organizations (agency and office), vehicles (publications, websites, etc...), and database/publication characteristics (names and contents) from which a SIGINT unit can derive the Collection Posture and Standing Collection Requirements for national, theater, and organic collection assets.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT Operations, a list of sources for standing national, theater, and organic collection requirements and capabilities, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Review national SIGINT collection posture.
2. Review cryptologic support plans.

**REFERENCES:**

1. USSID
2. FM 34-2 Collection Management and Synchronization Planning
3. MCWP 2-2 MAGTF Intelligence Collections
4. MCWP 2-22 Signals Intelligence

5. MCWP 2-3 MAGTF Intelligence Production and Analysis

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**2602-ANYS-2057** Describe the functions, capabilities, and components of organic USMC analysis equipment

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF Operations, when required will describe the functions, capabilities, and components of organic USMC SIGINT analysis equipment.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of reference, given a higher-level mission order to conduct SIGINT Operations, a list of current organic USMC analysis equipment, an audience and in a field or garrison environment.

**STANDARD:** To include all USMC organic SIGINT analysis equipment, in accordance with the reference.

**PERFORMANCE STEPS:**

1. Describe the functionality and the SE3 components of TCAC.
2. Describe the functionality and the SE3 components of TERPES.
3. Describe the capability and the SE3 components of TERPES.
4. Describe the capability and the SE3 components of TCAC.

**REFERENCE:**

1. Equipment User's Manual
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**2602-ANYS-2058** Evaluate collection site location

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF Operations, when required will evaluate the locations of organic collection assets based on prior analysis.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT Operations, a list of current SIGINT requirements, current collection tasking, a sample of current SIGINT collection, and in a field or garrison environment.

**STANDARD:** To determine whether current collection sites are effective in satisfying current SIGINT requirements, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Evaluate terrain, propagation study, weather, temperature, and enemy situation.
2. Identify tactical and technical requirements.

**REFERENCES:**

1. MCWP 2-22 Signals Intelligence
  2. MCRP 2-12A Intelligence Preparation of the Battlefield
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**2602-ANYS-2059** Recommend appropriate reporting vehicles and distribution for reportable SIGINT information

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF Operations, upon receipt of processed SIGINT information, must be able to recommend appropriate reporting vehicles, to include technical and intelligence reporting vehicles, and distribution for reportable SIGINT information.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT Operations, current SIGINT requirements, processed SIGINT information, a list of technical and intelligence reports, and in a field or garrison environment.

**STANDARD:** To ensure reports reach the intended destinations, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify reporting criteria.
2. Outline reporting guidance to subordinate organic resources on thresholds relevant to their target set.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
  2. MCWP 2-4 Marine Air-Ground Task Force Intelligence Dissemination
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**2602-ANYS-2060** Perform quality control of SIGINT reports

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF operations, upon receipt of technical and intelligence SIGINT, must be able to provide quality control of those reports.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT Operations, a draft technical and intelligence SIGINT reports, and in a field or garrison environment.

**STANDARD:** To identify and correct all errors in the reports, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify reporting criteria.
2. Outline reporting guidance to subordinate organic resources on thresholds relevant to their target set.

**REFERENCES:**

1. USSID 240 ELINT Processing, Analysis, Reporting, and Forwarding Procedures
  2. USSID 300 SIGINT Reporting
  3. USSID 316 Non-Codeword Reporting Program
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**2602-ANYS-2061** Produce a fused/correlated SIGINT product

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF Operations will produce a report containing fused/correlated national, theater, and organic SIGINT information.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT operations, technical and intelligence SIGINT reports from national, theater, and organic organizations, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Determine relationships between separate intelligence reports.
2. Filter irrelevant intelligence reports.
3. Fuse relevant intelligence reports.

**REFERENCES:**

1. USSID 240 ELINT Processing, Analysis, Reporting, and Forwarding Procedures
2. USSID 300 SIGINT Reporting
3. USSID 316 Non-Codeword Reporting Program

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**2602-ANYS-2062** Describe the characteristics of organic USMC SIGINT analysis databases

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF Operations will name and describe the characteristics of organic SIGINT analysis databases.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of reference, given a higher-level mission order to conduct SIGINT operations, a list of databases present on organic USMC SIGINT analysis systems, an audience and in a field or garrison environment.

**STANDARD:** In order to understand the characteristics, and sources of data of organic USMC SIGINT analysis systems, in accordance with the reference.

**PERFORMANCE STEPS:**

1. Assemble and manage tactical phone architecture.
2. Explain the basic elements of a communications system.
3. Identify basic communications equipment/devices.
4. Describe transmission media and various modes of communication.
5. Describe various modulation types.
6. Identify network concepts and current network systems.

**REFERENCE:**

1. Software User and reference Guide

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**2602-ANYS-2063** Identify pertinent collateral information

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF operations, will identify collateral information that will either enable, support, or enhance SIGINT operations and information.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT operations, sample collateral information, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Determine relationships between separate intelligence reports.
2. Filter irrelevant intelligence reports.
3. Fuse relevant intelligence reports.

**REFERENCES:**

1. Local SOP
  2. MCWP 2-22 Signals Intelligence
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**2602-ANYS-2064** Participate in all-source fusion analysis

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer must be able to determine the contributions SIGINT can make to the overall intelligence mission of the support unit(s). Additionally, identify instances where additional tasking of SIGINT assets can further improve the validity, accuracy and completeness of all-source intelligence products. Recognize the contributions SIGINT can make to the all-source collection tasking, intelligence production, and targeting missions of the supported unit.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT operations, sample collateral information, and in a field or garrison environment.

**STANDARD:** To fuse all relevant SIGINT information with collateral information of a given event, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Determine relationships between separate intelligence reports.
2. Filter irrelevant intelligence reports.
3. Fuse relevant intelligence reports.

**REFERENCES:**

1. MCRP 2-3A Intelligence Preparation of the Battlefield
  2. MCWP 2-1 Intelligence Operations
  3. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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2602-ANYS-2065 Fuse SIGINT data with collateral information

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The officer must be able to fuse SIGINT information with HUMINT, IMINT, MASINT, FISINT information to aid in the generation of an all-source intelligence product.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given associated SIGINT and other relevant intelligence information of a particular event, a higher-level mission order, a list of current analysis holdings, a list of intelligence references, a list of available databases, a list of intelligence requirements, and in a field or garrison environment.

STANDARD: In performance step sequence, within a time limit established by the commander, and in accordance with the references.

PERFORMANCE STEPS:

1. Determine relationships between separate intelligence reports.
2. Filter irrelevant intelligence reports.
3. Fuse relevant intelligence reports.

REFERENCES:

1. MCRP 2-3A Intelligence Preparation of the Battlefield
  2. MCWP 2-1 Intelligence Operations
  3. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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2602-ANYS-2066 Conduct Electronic Attack analysis

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The Warrant Officer directing SIGINT analysis and ground EW operations efforts in support of MAGTF Operations will conduct enabling and post-mission electronic attack analysis.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given a higher-level mission order to conduct SIGINT/Ground EW Operations, details of an EW mission, and in a field or garrison environment.

STANDARD: In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Develop an electronic warfare plan.
2. Conduct Electronic Attack operations.
3. Conduct Electronic Protect operations.
4. Provide SIGINT support to Information Operations.
5. Provide COMSEC monitoring of friendly forces.

**REFERENCES:**

1. MCWP 3-40.5 Electronic Warfare
  2. MCWP 3-40.4 Information Operations
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**2602-ANYS-2067** Conduct line of sight/terrain analysis

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis and ground EW operations efforts in support of MAGTF operations describes the process involved in Line of Sight/Terrain Analysis.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT/Ground EW operations, details of an EW or SIGINT mission, and in a field or garrison environment.

**STANDARD:** To determine the effects of terrain on a SIGINT or EW mission, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Analyze the military aspects of terrain.
2. Evaluate the terrain effects on military operations.

**REFERENCES:**

1. MCRP 2-3A Intelligence Preparation of the Battlefield
  2. MCWP 2-1 Intelligence Operations
  3. MCWP 2-26 Geographic Intelligence
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**2602-ANYS-2068** Develop jamming calculation/technique

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing ground EW operations efforts in support of MAGTF operations describes the processes and considerations involved in developing jamming calculations/techniques. Items to be addressed should include enemy emitters, terrain, and other factors which impact jamming techniques.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct Ground EW operations, details of an EW mission, and audience and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Brief the relationship between SIGINT, EW, and IO.
2. Brief EW considerations ISO MAGTF mission.
3. Brief EW assets available to the MAGTF commander both organic and non-organic.
4. Brief capabilities and limitations of Marine Corps EW systems.
5. Brief considerations for the employment of EW.
6. Brief constraints on the implementation of EA in support of Force Protection related targets or non-EWCC coordinated fires.

**REFERENCES:**

1. MCWP 3-40.5 Electronic Warfare
2. MCWP 3-40.4 Information Operations

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**2602-ANYS-2069** Conduct nodal analysis

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Prior to either generating or concurring on a target list for either electronic or non-kinetic or kinetic attack, the officer must evaluate the communications network of a target to identify critical nodes.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order, a network diagram, a potential target list, access to current data bases, current analysis systems, and in a field or garrison environment.

**STANDARD:** To determine all the critical nodes to support the targeting mission either electronic attack or kinetic weapons, in performance step sequence within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Conduct call sign analysis.
2. Conduct communications schedule analysis.
3. Conduct frequency analysis.

**REFERENCES:**

1. MCWP 2-3 MAGTF Intelligence Production and Analysis
2. MCWP 2-22 Signals Intelligence

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**2602-ANYS-2070** Provide SIGINT input to IPB process

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual will provide SIGINT input to target area IPB assessment.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given sample SIGINT data, a target area IPB, and in a field or garrison environment.

**STANDARD:** To provide SIGINT assessment of the target area IPB process, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Gather SIGINT data.
2. Review and organize data.
3. Present analyzed data.

**REFERENCES:**

1. MCRP 2-3A Intelligence Preparation of the Battlefield
2. MCWP 2-1 Intelligence Operations
3. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-ANYS-2071** Provide SIGINT threat assessment to IO cell

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT planner when assigned to an operational planning team will provide SIGINT threat assessment to IO cell.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a higher-level mission order to conduct Information Operations Planning, and in a field or garrison environment.

**STANDARD:** In support of IO planning, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Produce a current SIGINT capabilities brief detailing ongoing operations.
2. Obtain Critical Information Requirements (CIR's) from IO cell planners.
3. Adjust SIGINT coverage as needed to support IO cell CIR's.

**REFERENCES:**

1. USSID 18
  2. USSID 222
  3. USSID 252
  4. USSID 9
  5. NSA/CSS Dir 10-30
  6. DCID 7/3 Information Operations and Intelligence Community Related Activities
  7. DoDD S-3600.1 Information Operations
  8. MCWP 3-40.4 MAGTF Information Operations
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**2602-ANYS-2072** Develop Measures of Effectiveness of computer network operations in support of Information Operations

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing Computer Network Operations in support of MAGTF operations, when required will measure the effectiveness of computer network operations, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a higher-level mission order to conduct Information Operations planning, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Produce a pre-operation network status report.
2. Obtain MAGTF Commander's guidance for conducting Computer Network Operations in support of Information Operations.
3. Conduct comparative analysis of pre-operation network status to current and post operation network status to obtain measures of effectiveness.

**REFERENCES:**

1. USSID 18
2. USSID 222
3. USSID 252
4. USSID 9
5. NSA/CSS Dir 10-30

6. DCID 7/3 Information Operations and Intelligence Community Related Activities

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**2602-PLAN-2073** Determine validity of all SIGINT requirements with regard to collection, processing, analysis, reporting, and dissemination

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Prior to issuing analyst tasking, the officer will determine the validity of analysis requirements as compared to available resources in order to satisfy the intelligence requirements of organic, theater, and national level consumers.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a higher-level mission order, the commander's intelligence requirements, theater intelligence requirements, national intelligence requirements, a list of available resources, and in a field or garrison environment.

**STANDARD:** Prior to issuing analyst tasking, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify intelligence requirements (IRs).
2. Validate IRs.
3. Prioritize IRs.
4. Conduct requirements analysis.
5. Identify indicators.
6. Develop specific information requirements (SIRs).
7. Develop specific orders or requests (SORs).
8. Develop a collection plan worksheet.
9. Maintain a collection plan worksheet.
10. Develop a collection tasking worksheet.
11. Maintain a collection tasking worksheet.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
  2. DODD S-3115.7 Signals Intelligence
  3. MCRP 2-3A Intelligence Preparation of the Battlefield
  4. FM 34-2 Collection Management and Synchronization Planning
  5. MCDP 5 Planning
  6. MCWP 2-1 Intelligence Operations
  7. MCWP 2-22 Signals Intelligence
  8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-ANYS-2074** Correlate national/theater/organic SIGINT data from appropriate databases

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The officer must be able to state the methodologies involved in the correlation of national/theater/organic SIGINT data from appropriate databases and sources.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: MOJT

CONDITION: With the aid of reference, given traffic from external sources, data derived from local databases, and in a field or garrison environment.

STANDARD: To produce a relevant organic SIGINT database based on the correlation of national/theater/organic SIGINT data, within a time limit established by the commander, and in accordance with the reference.

PERFORMANCE STEPS:

1. Determine the relationship between national/tactical/organic databases.
2. Verify database contents.
3. Perform data reduction.
4. Correlate databases.

REFERENCE:

1. Local SOP
- 

2602-ANYS-2075 Maintain appropriate databases

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The officer must be able to state the name and purpose as well as the methodologies involved in the development and maintenance of appropriate databases.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: MOJT

CONDITION: With the aid of references, given a list of databases, and in a field or garrison environment.

STANDARD: So all data resident in USMC SIGINT analysis systems is available at all times, within a time limit established by the commander, and in accordance with the references.

PERFORMANCE STEPS:

1. Identify pertinent data.
2. Identify database formats.
3. Populate database.
4. Update and maintain as relevant.

**REFERENCES:**

1. Database Management Administrator Manual(s)
  2. AIS Operating System Administrator manual(s)
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**2602-ANYS-2076** Monitor enemy situation

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** During intelligence operations in support of the unit(s) mission, and accurately plot the enemy situation on current visualization tools using standardized military symbology and provide a narrative description of the enemy's intent.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a higher-level mission order, a list of enemy units, positions and dispositions, current analysis and visualization tools, and in a field or garrison environment.

**STANDARD:** Of all the enemy forces, for a duration established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify enemy locations.
2. Monitor message traffic.
3. Track changes.

**REFERENCES:**

1. MCDP 1-0 Marine Corps Operations
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. MCRP 5-12A Operational Terms and Graphics
  4. MCWP 2-1 Intelligence Operations
  5. MCWP 2-3 MAGTF Intelligence Production and Analysis
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**2602-ANYS-2077** Monitor friendly situation

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** During intelligence operations in support of the unit(s) mission, accurately plot the friendly situation on current visualization tools using standardized military symbology and provide a narrative description of the friendly situation.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5



**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a higher-level mission order, a list of friendly units, positions and dispositions, current common operational picture tools, and in a field or garrison environment.

**STANDARD:** Of all friendly forces, for a duration established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify friendly unit locations.
2. Monitor message traffic.
3. Track changes.

**REFERENCES:**

1. MCDP 6 Command and Control
  2. MCRP 5-12A Operational Terms and Graphics
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**2602-ANYS-2078** Provide SIGINT input to target area IPB assessment

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual will provide SIGINT input to target area IPB assessment.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given guidance to participate in the targeting process, and in a field or garrison environment.

**STANDARD:** To provide pertinent information from collected and analyzed signals into the IPB assessment, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Gather SIGINT data.
2. Review and organize data.
3. Present analyzed data.

**REFERENCES:**

1. MCRP 2-3A Intelligence Preparation of the Battlefield
  2. FM 34-2 Collection Management and Synchronization Planning
  3. MCDP 5 Planning
  4. MCWP 2-1 Intelligence Operations
  5. MCWP 2-22 Signals Intelligence
  6. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-ANYS-2079** Review local target list for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT/EW officer must review the local target list for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a local target list, and in a field or garrison environment.

**STANDARD:** To determine pertinent information related to SIGINT for the target development process, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Develop a list of Targets.
2. Maintain a list of targets
3. Develop a No Strike Target List.
4. Maintain a No Strike Target List
5. Develop High-Payoff Target (HPT) matrix.
6. Maintain a HPT matrix.
7. Develop an Attack Guidance Matrix (AGM).
8. Maintain an AGM.
9. Develop Battlespace Shaping Matrix (BSM).
10. Maintain a BSM.
11. Develop a target folder.
12. Maintain a target folder.
13. Track combat assessment data.
14. Maintain combat assessment data.
15. Develop Target Intelligence Collection Requirements.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
  4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-3 MAGTF Intelligence Production and Analysis
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**2602-ANYS-2080** Review joint target list for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** THE SIGINT/EW officer must review the joint target list for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a joint target list, and in a field or garrison environment.

**STANDARD:** To determine information related to SIGINT for the target development process, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Assess local target environment.
2. Identify collection accesses.
3. Identify commander's priorities.
4. Locate Joint targeting list.
5. Contribute to establishing a time sensitive targeting environment.
6. Analyze and develop a SIGINT targeting package to accommodate S/G-3 operational planning considerations.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
3. JP 3-60 Joint Doctrine for Targeting
4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
5. MCWP 2-1 Intelligence Operations
6. MCWP 2-3 MAGTF Intelligence Production and Analysis

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**2602-ANYS-2081** Utilize journal/message reports for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT/EW officer must be able to utilize journal/message reports for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given journal/message reports, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Present various COA's based off analysis conducted.
2. Update COA's based on Commander's feedback.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
  4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-3 MAGTF Intelligence Production and Analysis
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**2602-ANYS-2082** Utilize Reactive Attack Guidance Matrix (RAGM) for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT/EW officer must be able to utilize the reactive attack guidance matrix (RAGM) for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a reactive attack guidance matrix, and in a field or garrison environment.

**STANDARD:** To extract information from the reactive attack guidance matrix in the target development process, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Present various EA COA's based off analysis conducted.
2. Update COA's based on Commander's feedback.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
  4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-3 MAGTF Intelligence Production and Analysis
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**2602-ANYS-2083** Utilize immediate strike list for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT/EW officer must be able to utilize the immediate strike list for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given the immediate strike list, and in a field or garrison environment.

**STANDARD:** To extract information from the immediate strike list, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the steps in the targeting process.
2. Develop a SIGINT support plan.
3. Continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.
4. From pre-strike to post strike BDA, continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
3. JP 3-60 Joint Doctrine for Targeting
4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
5. MCWP 2-1 Intelligence Operations
6. MCWP 2-3 MAGTF Intelligence Production and Analysis

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**2602-ANYS-2084** Utilize geo-spatial products for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT/EW officer must be able to utilize geospatial products for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given geospatial products, and in a field or garrison environment.

**STANDARD:** To extract information from geospatial products to aid in targeting, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Develop a SIGINT support plan.

2. Continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.
3. From pre-strike to post strike BDA, continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
  4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-3 MAGTF Intelligence Production and Analysis
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**2602-ANYS-2085** Utilize Basic Targeting Graphic (BTG) for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT/EW officer must be able to utilize basic targeting graphic for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given the basic targeting graphic, and in a garrison or field environment.

**STANDARD:** To extract information from the battle-targeting graphic to aid in targeting, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the steps in the targeting process.
2. Develop a SIGINT support plan.
3. Continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.
4. From pre-strike to post strike BDA, continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
  4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-3 MAGTF Intelligence Production and Analysis
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**2602-ANYS-2086** Utilize Air Tasking Order (ATO) for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT/EW officer must be able to utilize the air tasking order (ATO) for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given the air tasking order, and in a field or garrison environment.

**STANDARD:** To extract information from the air tasking order to aid in targeting, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the steps in the targeting process.
2. Develop a SIGINT support plan.
3. Continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.
4. From pre-strike to post strike BDA, continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
  4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-3 MAGTF Intelligence Production and Analysis
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**2602-ANYS-2087** Utilize Battlefield Shaping Matrix (BSM) for SIGINT target development

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT/EW officer must be able to utilize the battlefield-shaping matrix (BSM) for SIGINT target development as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given the battlefield-shaping matrix, and in a field or garrison environment.

**STANDARD:** To extract information from the battlefield-shaping matrix to aid in targeting and battle damage assessment, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the steps in the targeting process.
2. Develop a SIGINT support plan.
3. Continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.
4. From pre-strike to post strike BDA, continually refine the SIGINT support to meet the intelligence requirements established by the MAGTF Commander.

**REFERENCES:**

1. DIA Intelligence Reference Document DI 2820-4-02 Battle Damage Assessment Quick Guide
  2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
  3. JP 3-60 Joint Doctrine for Targeting
  4. MCRP 3-16A Tactics, Techniques, And Procedures For The Targeting Process
  5. MCWP 2-1 Intelligence Operations
  6. MCWP 2-3 MAGTF Intelligence Production and Analysis
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**2602-ANYS-2088** Review Misrep

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** THE SIGINT/EW officer must review MISREPS for increased situational awareness in order to provide and/or direct organic SIGINT assets for future input to the targeting process as required.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given MISREPS and supported automated systems, and in a field or garrison environment.

**STANDARD:** To provide information from EA-6B post-mission reports to support future electronic attack missions, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Extract pertinent information from EA-6B post-mission reports.
2. Direct organic SIGINT assets to support future electronic attack missions.

**REFERENCES:**

1. MCRP 5-12C Marine Corps Supplement to the Department of Defense Dictionary of Military and Associated Terms
  2. Prowler Tactics Guide Vol I-III
  3. MCWP 2-1 Intelligence Operations
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**2602-ANYS-2089** Conduct air crew debriefs

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT analyst must conduct EA-6B aircrew debriefs to derive pertinent information for use in future EA-6B electronic attack missions.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given EA-6B post-mission data, SIGINT Data, supported automated systems, and in a field or garrison environment.

**STANDARD:** To provide information from EA-6B post-mission debriefs for future EA-6B electronic attack missions, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Complete post mission de-brief form.
2. Collect characteristics of flight plan.
3. Process mission data.
4. Inform aircrew of newly acquired data.

**REFERENCES:**

1. MCWP 3-40.5 Electronic Warfare
  2. MCWP 3-40.4 Information Operations
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**2602-CMND-2090** Evaluate standing collection requirements for national, theater, and organic collection assets

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer serving as the MEF Collection Manager will obtain and evaluate Standing Collection Requirements for national, theater, and organic collection assets.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT operations, access to obtain standing national, theater, and organic collection requirements and capabilities, and in a field or garrison environment.

**STANDARD:** To evaluate the standing collection requirements, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify intelligence requirements (IRs).
2. Validate IRs.
3. Prioritize IRs.
4. Conduct requirements analysis.
5. Identify indicators.
6. Develop specific information requirements (SIRs).
7. Develop specific orders or requests (SORs).
8. Develop a collection plan worksheet.
9. Maintain a collection plan worksheet.
10. Develop a collection tasking worksheet.
11. Maintain a collection tasking worksheet.

**REFERENCES:**

1. MCRP 2-3A Intelligence Preparation of the Battlefield
  2. FM 34-2 Collection Management and Synchronization Planning
  3. MCDP 5 Planning
  4. MCWP 2-1 Intelligence Operations
  5. MCWP 2-22 Signals Intelligence
  6. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-PLAN-2091** Identify shortfalls in SIGINT processes

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer in support of MAGTF Operations, when required will compare current SIGINT requirements with results of SIGINT operations, to include collection, processing, analysis, reporting, and dissemination from national, theater, and organic collection capabilities. Then make recommendations to add, or modify, existing tasking to overcome shortfalls in SIGINT operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct SIGINT operations, a list of current SIGINT requirements, current collection tasking, current SIGINT reporting, and in a field or garrison environment.

**STANDARD:** So that all shortfalls are identified, in order to evaluate operational effectiveness of organic SIGINT assets, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Collect feedback.
2. Evaluate responses.
3. Reassess courses of action.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
2. DODD S-3115.7 Signals Intelligence
3. MCRP 2-3A Intelligence Preparation of the Battlefield

4. FM 34-2 Collection Management and Synchronization Planning
  5. MCDP 5 Planning
  6. MCWP 2-1 Intelligence Operations
  7. MCWP 2-22 Signals Intelligence
  8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-COLL-2092** Evaluate collection effectiveness

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing SIGINT analysis efforts in support of MAGTF operations, when required will detail the effectiveness of current collection efforts against standing collection requirements.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order, a list of current SIGINT requirements, a list of sample collected SIGINT information to include source and content, current collection posture outlining current national, theater, and organic tasking, and in a field or garrison environment.

**STANDARD:** Comparing all collected SIGINT information against standing SIGINT requirements, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Collect feedback.
2. Evaluate responses.
3. Reassess courses of action.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
  2. DODD S-3115.7 Signals Intelligence
  3. MCRP 2-3A Intelligence Preparation of the Battlefield
  4. FM 34-2 Collection Management and Synchronization Planning
  5. MCDP 5 Planning
  6. MCWP 2-1 Intelligence Operations
  7. MCWP 2-22 Signals Intelligence
  8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations
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**2602-ANYS-2093** Use a PROXY server

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing computer network operations in support of MAGTF operations, when required will describe the functions and uses of a PROXY server.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of reference, given a higher-level mission order, an audience and in a field or garrison environment.

**STANDARD:** In performance step order, in accordance with the reference.

**PERFORMANCE STEPS:**

1. Use a protocol analyzer to filter for specific ports.
2. Use the services associated with those servers.

**REFERENCE:**

1. Software User and reference Guide
- 

**2602-ANYS-2094** Describe the relationship of nodal analysis with intel gain loss and battle damage assessments

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The Warrant Officer directing computer network operations in support of MAGTF operations, must be able to describe the relationship of nodal analysis with Intel gain loss and battle damage assessments.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order, an audience and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Utilize a network map.
2. Identify servers
3. Identify key network devices.

**REFERENCES:**

1. MCWP 2-3 MAGTF Intelligence Production and Analysis
  2. MCWP 2-22 Signals Intelligence
-

**2602-COLL-2095** Recover computer network routing using multiple sources

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will recover computer network routing using multiple sources, in order to support MAGTF information operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct Information Operations, the access, and the equipment, and in a field or garrison environment.

**STANDARD:** So all routing is recovered, in performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify border gateway devices.
2. Identify satellite hops.
3. Utilize computer network routing.

**REFERENCES:**

1. Software User and Reference Guide
  2. Appropriate Hardware System User's Manual
  3. Network Infrastructure STIG - DISA
- 

**2602-COLL-2096** Conduct wireless access survey

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will conduct a wireless access survey, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of reference, given a higher-level mission order to conduct Computer Network Exploitation, access, and the equipment, and in a field or garrison environment.

**STANDARD:** To identify all wireless access points on a computer network, within a time limit established by the commander, and in accordance with the reference.

**PERFORMANCE STEPS:**

1. Collect required data to populate a network map using the required collection suite.
2. Input to a network-mapping tool the required file format to analyze and populate the map.
3. Identify information.

**REFERENCE:**

1. Network Infrastructure STIG - DISA
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**2602-COLL-2097** Identify computer network access opportunities

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will analyze a computer network and identify all available network accesses in order to support MAGTF Information operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** Formal

**CONDITION:** With the aid of references, given a higher-level mission order, access and the equipment, and in a field or garrison environment.

**STANDARD:** To identify all available computer network accesses that can be utilized, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Analyze current network to identify operation systems and security measures.
2. Produce network architecture.
3. Identify any noted vulnerabilities.
4. Exploit any noted vulnerabilities.

**REFERENCES:**

1. Applicable software User and Reference Guide
  2. Appropriate Hardware System User's Manual
  3. Building Internet Firewalls, O'Reilly Publishing
  4. Network Infrastructure STIG - DISA
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**2602-PROD-2098** Capture lessons learned and after action reports on SIGINT operations

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual will generate lessons learned and after action reports.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given results from a SIGINT operation, and in a garrison or field environment.

**STANDARD:** From all subject matter experts who participated in the operation, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Collect information.
2. Evaluate information.
3. Record information.

**REFERENCES:**

1. MCWP 2-3 MAGTF Intelligence Production and Analysis
2. MCWP 2-22 Signals Intelligence
3. MCDP 2 Intelligence
4. MCDP 3 Expeditionary Operations

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**2602-DISS-2099** Disseminate computer network exploitation based reporting

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will disseminate computer network exploitation based reporting to satisfy intelligence requirements, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order, access, equipment, and requirements and in a field or garrison environment.

**STANDARD:** Within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Classified in accordance with USSID 300.

**REFERENCES:**

1. USSID 18
2. USSID 222
3. USSID 252
4. USSID 9
5. NSA/CSS Dir 10-30
6. DCID 7/3 Information Operations and Intelligence Community Related Activities

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**2602-DISS-2100** Synchronize the battle rhythm

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual must disseminate SIGINT products dictated by the battle rhythm.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a SIGINT mission, and in a field or garrison environment.

**STANDARD:** To disseminate SIGINT products dictated by the battle rhythm to ensure that the customer has relevant information in a timely manner, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify reporting criteria.
2. Outline reporting guidance to subordinate organic resources on thresholds relevant to their target set.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
2. DODD S-3115.7 Signals Intelligence
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. FM 34-2 Collection Management and Synchronization Planning
5. MCDP 5 Planning
6. MCWP 2-1 Intelligence Operations
7. MCWP 2-22 Signals Intelligence
8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2101** Coordinate SIGINT support to force protection

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12



**DESCRIPTION:** As a SIGINT planner or SIGINT detachment commander coordinate SIGINT support to force protection in support of MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given HHQ order, a task organized SIGINT unit, SIGINT collection requirements documents, organic SIGINT equipment, and in a field or garrison environment.

**STANDARD:** To support MAGTF operations, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify and analyze the dissemination plan, collection assets allocated, and the enemy communications network/capability.
2. Identify the organizations involved in the Anti-Terrorism/Force Protection program.
3. Describe the considerations for determining terrorist threat levels and force protection conditions.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
2. DODD S-3115.7 Signals Intelligence
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. FM 34-2 Collection Management and Synchronization Planning
5. MCDP 5 Planning
6. MCWP 2-1 Intelligence Operations
7. MCWP 2-22 Signals Intelligence
8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2102** Coordinate SIGINT support to transmission security

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or SIGINT detachment commander coordinate SIGINT support to transmission security in support of MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given HHQ order, a task organized SIGINT unit, appropriate SIGINT collection requirements documents, organic SIGINT equipment, and in a field or garrison environment.

**STANDARD:** In support of MAGTF operations, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify units communication structure.
2. Identify essential elements of friendly information.
3. Establish reporting procedures.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
2. DODD S-3115.7 Signals Intelligence
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. FM 34-2 Collection Management and Synchronization Planning
5. MCDP 5 Planning
6. MCWP 2-1 Intelligence Operations
7. MCWP 2-22 Signals Intelligence
8. MCWP 3-40.4 Marine Air-Ground Task Force Information Operations

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**2602-PLAN-2103** Determine power requirements

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or detachment OIC determine the power requirements to support SIGINT operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a HHQ order, a task organized SIGINT detachment, and in a field or garrison environment.

**STANDARD:** To ensure continuous power to all SIGINT processes, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Manage T/O and T/E requirements.
2. Identify logistics support requirements.
3. Identify administrative requirements.
4. Identify SSO requirements.
5. Coordinate communications requirements.

**REFERENCES:**

1. MCDP 4 Logistics
2. Local SOP

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**2602-PLAN-2104** Determine environmental control unit requirements

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or detachment OIC determine the environmental control units requirements to support SIGINT operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a HHQ order, a task organized SIGINT detachment, and in a field or garrison environment.

**STANDARD:** To identify the amount of environment control units required for the task organized SIGINT detachment, so that the environment is not degraded, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Manage T/O and T/E requirements.
2. Identify logistics support requirements.
3. Identify administrative requirements.
4. Identify SSO requirements.
5. Coordinate communications requirements.

**REFERENCES:**

1. Local SOP
2. Technical Manuals

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**2602-PLAN-2105** Request SIGAD and Producer Designator Digraph (PDDG)

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner or SIGINT detachment OIC request a SIGAD and PDDG in order to facilitate reporting in support of MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of reference, given HHQ mission, and in a field or garrison environment.

**STANDARD:** In performance step sequence, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify a SIGAD and PDDG.
2. Research the SIGAD/PDDG.

**REFERENCES:**

1. DOI 101 DSSCS Operating Instructions
  2. DOI 102 DSSCS Operating Instructions
  3. DOI-103 DSSCS Operating Instruction
  4. NAVSECGRUINST S2501 Special Security Communications Manual
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2602-PLAN-2106 Identify legal restrictions associated with computer network exploitation

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will identify any legal restrictions associated CNE, in order to support MAGTF information operations.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given a higher-level mission order to conduct computer network exploitation, access and equipment, an audience, and in a field or garrison environment.

STANDARD: In performance step sequence, within a time limit established by the commander, and in accordance with the references.

PERFORMANCE STEPS:

1. Use Scenario/Operation for requirements.
2. Brief the documents that relate to Computer Network Operations.
3. Brief the references that relate to Computer Network Operations.
4. Brief the legal restriction that relate to Computer Network Operations.

REFERENCES:

1. USSID 18
  2. USSID 222
  3. USSID 252
  4. USSID 9
  5. NSA/CSS Dir 10-30
  6. DCID 7/3 Information Operations and Intelligence Community Related Activities
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2602-PLAN-2107 Assist in the development of Information Operations plans

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The SIGINT planner when assigned to an operational planning team will assist in the planning of Information Operations in order to support MAGTF Information Operations.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

**CONDITION:** Having received a higher-level mission order to conduct Information Operations planning, given the access, and the equipment, an audience, in a field or garrison environment, with the aid of references.

**STANDARD:** In performance step sequence, in the time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify characteristics and components of IO.
2. Identify the relationship between SIGINT and IO.
3. Identify National and Joint IO organizations and roles they play in the execution of IO activities.

**REFERENCES:**

1. JP-2-0 Doctrine for Intelligence Support to Joint Operations
  2. JP 3-13 Joint Doctrine for Information Operations
  3. MCWP 3-40.4 MAGTF Information Operations
  4. MCDP 1-0 Marine Corps Operations
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**2602-PLAN-2108** Coordinate for IP based computer network access

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The SIGINT Marine directing computer network operations in support of MAGTF operations, when required will conduct coordination with higher headquarters for use of IP based computer network access, in order to support MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher-level mission order to conduct Information Operations Planning, given the access, and the equipment, and in a field or garrison environment.

**STANDARD:** So that all identified users have IP based computer network access, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Assemble and manage tactical phone architecture.
2. Explain the basic elements of a communications system.
3. Identify basic communications equipment/devices.
4. Describe transmission media and various modes of communication.
5. Describe various modulation types.
6. Identify network concepts and current network systems.

**REFERENCES:**

1. USSID 18
2. USSID 222
3. USSID 252
4. USSID 9

5. NSA/CSS Dir 10-30
6. DCID 7/3 Information Operations and Intelligence Community Related Activities

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**2602-PLAN-2109** Determine CMS/EKMS requirements for organic SIGINT/EW systems

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual will identify and request the appropriate CMS/EKMS for organic systems in order to provide I&W to MAGTF units.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, a higher mission order, a unit's table of equipment, the communications nets required to provide I&W, and in a field or garrison environment.

**STANDARD:** To develop CMS equipment and keymat requirements, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify personnel and physical security requirements for handling and managing GENSER and SI magnetic media and hardcopy Intelligence products.
2. Identify rules and regulations requirements for handling classified information.
3. Identify key personnel responsible for classified information.
4. Identify authorized means for sending classified information via courier or defense courier service (DCS).
5. Properly classify material.
6. Describe the considerations of the implementation and sustainment of the COMSEC material system (CMS).
7. Identify electronic and hard copy key distribution techniques with and without an organic EKMS manager.
8. Identify CMS/EKMS requirements.
9. Request CMS/EKMS for organic systems.

**REFERENCES:**

1. AIS System Manual
2. Applicable COMSEC equipment operator's manual CMS-1 Communications Security Material System (CMS) Policy and Procedures Manual
4. DOD S-5105.21 Department of Defense (DoD) 1 (M-1)
5. DOD TS-5105.21 (M-2)
6. DOD TS-5105.21 Department of Defense (DoD) (M-3)
7. DCID 1/16 Security Manual for Uniform Protection of Intelligence Processed in AIsS and Networks
8. DCID 1/14 Personnel Security Standards and Procedures Governing Eligibility for Access to Sensitive Compartmented Information
9. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities

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**2602-PLAN-2110** Plan for EA in support of MAGTF operations

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** During planning process, the individual will determine the processes and procedures to conduct EA in support of MAGTF operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given rules of engagement, higher mission, MAGTF AO, theater jamming guidance, Appendix 19 to Annex C, EA-6B'S, EW forward observer, approved CONOP's, JRFL/MAGTF restricted freq list (MRFL), intel gain/loss on EA targets, and in a field or garrison environment.

**STANDARD:** To conduct EA missions on time sensitive targets, on call targets and pre-planned targets, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Develop an electronic warfare plan.
2. Conduct Electronic Attack operations.
3. Conduct Electronic Protect operations.
4. Provide SIGINT support to Information Operations.
5. Provide COMSEC monitoring of friendly forces.
6. Identify the relationship between SIGINT, EW, and IO.
7. Identify EW considerations ISO MAGTF mission.
8. Identify EW assets available to the MAGTF commander both organic and non-organic.
9. Identify capabilities and limitations of Marine Corps EW systems.
10. Identify considerations for the employment of EW.
11. Identify constraints on the implementation of EA in support of Force Protection related targets or non-EWCC coordinated fires.

**REFERENCES:**

1. MCWP 3-40.5 Electronic Warfare
2. MCWP 3-40.4 Information Operations

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**2602-PLAN-2111** Apply rules of engagement (ROE) to the development of the reactive attack guidance matrix (RAGM)

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The individual must use the published ROE during the development of the EA portion of the reactive attack guidance matrix.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given planning guidance, a mission to develop the EA portion of the reactive attack guidance matrix, published ROE, area of operations, MAGTF CONOPS, and in a field or garrison environment.

**STANDARD:** So that attack planning guidance matrix reflects current ROE, in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the relationship between SIGINT, EW, and IO.
2. Identify EW considerations ISO MAGTF mission.
3. Identify EW assets available to the MAGTF commander both organic and non-organic.
4. Identify capabilities and limitations of Marine Corps EW systems.
5. Identify considerations for the employment of EW.
6. Identify constraints on the implementation of EA in support of Force Protection related targets or non-EWCC coordinated fires.

**REFERENCES:**

1. MCWP 3-40.5 Electronic Warfare
  2. MCWP 3-40.4 Information Operations
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**2602-PLAN-2112** Review national cryptologic support plan

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** As a SIGINT planner, review the National Cryptologic support plan for standing theater OPLANS/OPORDS in order to define planned national, theater, and tactical cryptologic support for the mission analysis phase of MCPP.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission from HHQ, a theater OPLAN/OPORD, the organic cryptologic support and in a field or garrison environment.

**STANDARD:** To ensure coordination between organic and outside capabilities, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify the relationship, roles, and functions of the theater SIGINT manager.
2. Identify theater collection platforms.
3. Describe theater level SIGINT capabilities, and limitations.
4. Determine SIGINT coordination with combined national, theater, and tactical Collection agencies.

**REFERENCES:**

1. FM 34-2 Collection Management and Synchronization Planning
2. DIAM 58 Series



3. MCWP 2-1 Intelligence Operations

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2602-DISS-2113 Employ analyst exchange tools

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The officer will employ analyst exchange tools of organic resources, product development, analyst-to-analyst exchange, and SIGINT dissemination.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given a mission from HHQ order, and access to exchange tools, and in a field or garrison environment.

STANDARD: To identify organic analyst exchange tools, in accordance with the references.

PERFORMANCE STEPS:

1. Identify the capabilities associated with various exchange tools.
2. Explain logistics required to employ these tools.

REFERENCES:

1. MCWP 2-3 MAGTF Intelligence Production and Analysis
  2. NES
  3. MCWP 2-4 Marine Air-Ground Task Force Intelligence Dissemination
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2602-PLAN-2114 Describe the characteristics, functionality, and interface requirements for organic SIGINT systems

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The officer must be able to describe the characteristics (equipment composition, capabilities and limitations, etc), the functionality, and interface requirements (physical, and information exchange) of SIGINT systems organic to the MAGTF.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given a mission from HHQ order, a list of MAGTF organic SIGINT systems, and in a field or garrison environment.

**STANDARD:** In order to understand and explain the SIGINT systems organic to the MAGTF, in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify capabilities of all organic SIGINT resources.
2. Identify limitations of all organic SIGINT resource.

**REFERENCES:**

1. MCWP 2-3 MAGTF Intelligence Production and Analysis
  2. NES
  3. MCWP 2-4 Marine Air-Ground Task Force Intelligence Dissemination
  4. MCWP 6-22 Communications and Information Systems
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**2602-PLAN-2115** Consider operational constraints with coalition partners on overall SIGINT planning and operations

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer will state considerations and efforts required to fully integrate coalition relationships into SIGINT operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a higher mission order, intelligence sharing guidance from national and theater entities, identified dissemination architecture, and in a field or garrison environment.

**STANDARD:** In performance step sequence, in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify coalition partner's level of cooperation within U.S. SIGINT community.
2. Determine releasability of classified products to coalition partners.
3. Establish compartmented/sanitized SOP.
4. Coordinate with SSO to ensure proper disclosure.

**REFERENCES:**

1. USSID 5
  2. USSID 15
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**2602-INCA-2116** Operate tactical radio communications equipment and encryption tools

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Operate and manage radio nets required to conduct SIGINT operations ISO MAGTF priorities.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a mission order, communications plan, and in a field or garrison environment.

**STANDARD:** On order, for the duration of the messages being transmitted, in performance step sequence, in accordance with the references.

**PERFORMANCE STEPS:**

1. Assemble and manage tactical communication equipment architecture.
2. Explain the basic elements of a communications system.
3. Identify basic communications equipment/devices.
4. Describe transmission media and various modes of communication.
5. Describe various modulation types.
6. Identify network concepts and current network systems.

**REFERENCES:**

1. Appropriate TMs
  2. MCRP 3-40.3C Antenna Handbook
  3. CMS-1 Communications Security Material System (CMS) Policy and Procedures Manual
  4. CMS 21B
- 

**2602-ANYS-2117** Conduct terrain analysis in support of organic SIGINT operations

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer will conduct terrain analysis of the mission area to be able to determine impacts of terrain on friendly and enemy abilities to move, communicate, operate weapons systems, and perform SIGINT operations.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher mission order, current terrain analysis tools, and in a field or garrison environment.

**STANDARD:** To determine effect of terrain on friendly and enemy abilities to move, communicate, operate weapons systems, and perform SIGINT operations, in the AO within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Analyze the military aspects of terrain.
2. Evaluate the terrain effects on military operations.

**REFERENCES:**

1. MCDP 1-0 Marine Corps Operations
  2. MCRP 2-3A Intelligence Preparation of the Battlefield
  3. MCRP 5-12A Operational Terms and Graphics
  4. MCWP 2-1 Intelligence Operations
  5. MCWP 2-3 MAGTF Intelligence Production and Analysis
- 

**2602-GENI-2118** Develop an Emergency Action Plan for destruction of classified material

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer should be able to design, brief, and implement a phased EAP to ensure the safeguarding of sensitive information and technology from enemy capture.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references Given a higher mission order in an enemy threat environment, and in a field or garrison environment.

**STANDARD:** To establish a priority of destruction and what tools are required to perform the EAP, so that all classified material will be destroyed, in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify key classified and controlled cryptographic item (CCI) devices/data that require destruction.
2. Establish a priority of destruction and what tools are required to perform this destruction.
3. Identify a phased approach to destruction that is events based to ensure there is adequate time to perform the EAP.

**REFERENCES:**

1. SECNAVINST 5510.30 DON Personnel Security Program (PSP) Regulation
  2. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
  3. DoDD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security
- 

**2602-GENI-2119** Maintain a T-SCIF

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** Officer should be able to request, organize, maintain, and dis-establish a TSCIF.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** On order, given a higher mission order, and in a field or garrison environment.

**STANDARD:** To conduct SIGINT operations, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify requirements to request, set-up, and maintain a T-SCIF.
2. Coordinate with appropriate MAGTF entities for T-SCIF implementation.

**REFERENCES:**

1. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
  2. DoDD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security
  3. DoDD 5200.1-R Information Security Program Regulation
  4. DoDD TS-5105.21-M-2 Sensitive Compartmented Information (SCI) Security Manual, Communications Intelligence (COMINT) Policy
- 

**2602-TRGT-2120** Employ organic and non-organic DF and geo-locational resources to fix and locate MAGTF targets

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer should be able to blend organic and non-organic DF resources to provide actionable intelligence to the supported commander.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** FORMAL

**CONDITION:** With the aid of references, given a higher mission order, a target, organic and non-organic DF, and geo-locational resources, and in a field or garrison environment.

**STANDARD:** To fix enemy target emitters, within a time limit established by the commander, and in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify capabilities and limitations of all DF and GEO locational resources to include, but not limited to, programs of record and commercial off the shelf technology.
2. Build and brief an organic collection plan.

**REFERENCES:**

1. MCWP 2-22 Signals Intelligence
2. MCRP 3-16B The Joint Targeting Process and Procedures for Targeting Time-

Critical Elements

3. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process

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2602-TRGT-2121 Support personnel recovery

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The officer must be able to develop a comprehensive plan, including organic/tactical, theater, and national level organizations, to support Personnel Recovery missions.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given a mission order, personnel requiring recovery and in a field or garrison environment.

STANDARD: To support personnel recovery missions so that all personnel are recovered, in the time allotted by the commanding officer, in accordance with the references.

PERFORMANCE STEPS:

1. Identify national resources.
2. Identify the CSAR process within the national collection arena.
3. Identify equipment required to access the national CSAR support efforts.
4. Identify the parameters of the radio types employed by potential CSAR candidates.
5. Access the national CSAR support efforts.

REFERENCES:

1. MCDP 1-0 Marine Corps Operations
  2. MCRP 2-25A Reconnaissance Reports Guide
  3. MCRP 2-3A Intelligence Preparation of the Battlefield
  4. MCWP 2-3 MAGTF Intelligence Production and Analysis
  5. MCWP 5-1 Marine Corps Planning Process
- 

2602-INCA-2122 Conduct systems configuration management

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: The officer must be able to state the processes and demonstrate familiarity with a Configuration Management plan in support of the unit's SIGINT systems.

BILLET: Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

GRADE: WO1, CWO2, CWO3, CWO4, CWO5

INITIAL TRAINING SETTINGS: MOJT

**CONDITION:** With the aid of references, given a list of equipment, and in a field or garrison environment.

**STANDARD:** To develop configuration management plan, in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify Marine Corps SIGINT/EW organization.
2. Identify the capabilities and limitations associated with all organic RadBn assets to include MEWSS, RRT, SST, OCAC, OCE, and various task organized entities as required to support the MAGTF.
3. Define supported unit operational and logistics considerations that impact supportability of RadBn resources.
4. Identify capabilities and limitations of all organic SIGINT resources to include, but not limited to, programs of record and commercial off the shelf technology commonly employed at a Radio Bn.
5. Build and brief an organic collection plan.
6. Employ SIGINT assets and resources in a tactical environment.
7. Conduct unit-level SIGINT training.
8. Conduct unit-level screening for qualified personnel.
9. Conduct unit-level administration.

**REFERENCES:**

1. MCWP 6-22 Communications and Information Systems
  2. Equipment and software manuals
- 

**2602-PLAN-2123** Submit a Table of Organization and Equipment Change Request (TOECR) for a standing unit TO&E

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer must be able to state the processes and demonstrate familiarity with the processes of submitting a table of organization and equipment change request (TOECR).

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a sample T/O&E, and in a field or garrison environment.

**STANDARD:** For all identified changes in requirements for equipment and personnel, in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify equipment and personnel shortfalls.
2. Provide justification for request change.
3. Identify billets for compensation.

**REFERENCES:**

1. RadBn SOP

2. MCDP 1-0 Marine Corps Operations
3. MCRP 2-3A Intelligence Preparation of the Battlefield
4. MCWP 2-1 Intelligence Operations
5. MCWP 2-3 MAGTF Intelligence Production and Analysis

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**2602-PLAN-2124** Submit system requirements into the formal USMC acquisition process

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer must be able to state the processes and demonstrate familiarity with the processes of submitting system requirements that result in system acquisitions through fielding or upgrades.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of reference, given a system shortfall, and in a field or garrison environment.

**STANDARD:** For all identified changes in requirements for new acquisitions, in accordance with the reference.

**PERFORMANCE STEPS:**

1. Identify needed capabilities.
2. Produce formalized stated requirements.
3. Submit through chain of command.

**REFERENCE:**

1. MCDP 4 Logistics

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**2602-PLAN-2125** Submitting training needs and requirements

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** The officer must be able to state the processes and demonstrate familiarity with the processes of submitting training needs and requirements, to include the course curriculum review board and the training and readiness manual.

**BILLET:** Watch Officer, Det OIC, Det AOIC, Plt Commander, Staff Officer

**GRADE:** WO1, CWO2, CWO3, CWO4, CWO5

**INITIAL TRAINING SETTINGS:** MOJT

**CONDITION:** With the aid of references, given a training shortfall, and in a field or garrison environment.



**STANDARD:** For all identified changes in requirements for training, in accordance with the references.

**PERFORMANCE STEPS:**

1. Identify needed capabilities.
2. Produce formalized stated requirements.
3. Submit through chain of command.

**REFERENCES:**

1. MCO 1553.3A Unit Training Manual
  2. MCO P3500.72 Marine Corps Ground Training and Readiness Program
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SIGINT T&R MANUAL

CHAPTER 5

INDIVIDUAL EVENTS MOS 2611

	<u>PARAGRAPH</u>	<u>PAGE</u>
PURPOSE . . . . .	5000	5-2
ADMINISTRATIVE NOTES . . . . .	5001	5-2
INDEX OF INDIVIDUAL EVENTS . . . . .	5002	5-3
SIGINT 1000-LEVEL EVENTS . . . . .	5003	5-6
SIGINT 2000-LEVEL EVENTS . . . . .	5004	5-47

SIGINT T&R MANUAL

CHAPTER 5

INDIVIDUAL EVENTS MOS 2611

**5000. PURPOSE.** This chapter details the individual training events that pertain to MOS 2611, Cryptologic Digital Network Technician/Analyst. These events are linked to a service-level Mission Essential Tasks (MET). This linkage tailors individual training for the selected MET. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**5001. ADMINISTRATIVE NOTES.** T&R events are coded for ease of reference. Each event has a 4-4-4-digit identifier. The first four digits represent the occupational field or military occupational specialty (i.e., SIGT, 0211, 2621). This chapter contains 2611 events. The second four digits represent the functional or duty area. The last four digits represent the level, and identifier number of the event. Every individual event has an identifier number from 001 to 999.

Instances of "Yes" in the evaluation code for the individual skills reflects, in many but not all cases, the fact that the ability to use the particular skill or have knowledge of the particular skill or task is required in order to achieve a certification level as dictated in governing documents.

**5002. INDEX OF INDIVIDUAL EVENTS**

1. **SIGINT 1000-LEVEL EVENTS.** Cryptologic Digital Network Technician/Analyst individual events.

EVENT	DESCRIPTION	PAGE
	<b>ANALYSIS</b>	
2611-ANYS-1001	Perform session reconstruction	5-6
2611-ANYS-1002	Identify security mechanisms	5-6
2611-ANYS-1003	Identify intrusion detection devices	5-7
2611-ANYS-1004	Identify operating systems	5-7
2611-ANYS-1005	Identify various network devices	5-8
2611-ANYS-1006	Identify various servers	5-9
2611-ANYS-1007	Analyze traceroute results	5-9
2611-ANYS-1008	Identify the access controls of firewalls	5-10
2611-ANYS-1009	Create a network map	5-10
2611-ANYS-1010	Analyze port scan results	5-11
2611-ANYS-1011	Analyze ping TTL responses	5-11
2611-ANYS-1012	Identify potential target vulnerabilities	5-12
2611-ANYS-1013	Identify key nodes on a target network map	5-13
2611-ANYS-1014	Decrypt a targeted computers/devices passwords	5-13
2611-ANYS-1015	Identify various network architectures	5-14
2611-ANYS-1045	Identify wireless information from a targeted device	5-31
2611-ANYS-1046	Generate a logical map of wireless devices	5-32
2611-ANYS-1047	Perform decryption of WEP	5-32
2611-ANYS-1053	Perform analysis of GPS devices	5-36
2611-ANYS-1055	Identify network routing	5-37
2611-ANYS-1056	Identify access control lists	5-37
2611-ANYS-1057	Identify the presence of Virtual Private Networks (VPNs)	5-38
2611-ANYS-1059	Utilize national databases	5-39
2611-ANYS-1060	Utilize Digital Network Intelligence Technical Reports (DNITR's)	5-40
	<b>COLLECTION</b>	
2611-COLL-1016	Configure collection software	5-14
2611-COLL-1017	Utilize collection equipment	5-15
2611-COLL-1018	Utilize traceroute tools	5-15
2611-COLL-1019	Determine port availability	5-16
2611-COLL-1020	Utilize internet registrar databases tools	5-16
2611-COLL-1021	Conduct open source intelligence collection	5-17
2611-COLL-1022	Utilize ping tools	5-18
2611-COLL-1030	Perform Unix host analysis	5-22
2611-COLL-1037	Perform Windows host analysis	5-26
2611-COLL-1038	Perform network reconnaissance of a targeted network	5-27
2611-COLL-1048	Install and configure wireless collection software	5-33
2611-COLL-1049	Plot wireless devices	5-33
2611-COLL-1050	Conduct network association of a client to a wireless network	5-34
2611-COLL-1054	Perform media exploitation of a GPS device	5-36

2611-COLL-1061	Counter methods of intrusion	5-40
2611-COLL-1062	Extract data from a targeted device	5-41
2611-COLL-1063	Utilize remote backdoors	5-41
2611-COLL-1064	Utilize a port redirector	5-42
2611-COLL-1065	Conduct target exploitation	5-42
2611-COLL-1066	Install a software sniffer on a target device	5-43
2611-COLL-1067	Install a software keylogger	5-43
2611-COLL-1068	Install a backdoor	5-44
	<b>DISSEMINATION</b>	
2611-DISS-1023	Prepare a Digital Network Intelligence Technical Report (DNITR)	5-18
	<b>SYSTEMS ADMINISTRATION</b>	
2611-SYSA-1024	Identify key network devices in the OSI model	5-19
2611-SYSA-1025	List the port number ranges	5-19
2611-SYSA-1026	Identify the 3 main IP classes	5-20
2611-SYSA-1027	Identify the different ICMP protocols	5-20
2611-SYSA-1028	Perform subnetting	5-21
2611-SYSA-1029	Identify the default location of log files	5-22
2611-SYSA-1031	Utilize the Unix operating system	5-23
2611-SYSA-1032	Perform data transfer using FTP and SCP	5-23
2611-SYSA-1033	Configure a Unix system for TCP/IP networking	5-24
2611-SYSA-1034	Configure a Unix system for dial-up communications	5-25
2611-SYSA-1035	Configure a Unix system for VPN	5-25
2611-SYSA-1036	Conduct remote sessions using telnet and secure shell	5-26
2611-SYSA-1039	Use Windows commands via the command line interface	5-28
2611-SYSA-1040	Configure a Windows system for TCP/IP networking	5-28
2611-SYSA-1041	Configure a Windows system for dial-up communications	5-29
2611-SYSA-1042	Configure a Windows system for VPN	5-29
2611-SYSA-1043	Utilize the documents that govern the conduct of SIGINT with respect to CNE	5-30
2611-SYSA-1044	Identify MAC filtering	5-30
2611-SYSA-1051	List the frequencies and channels associated with the 802.11 protocol	5-34
2611-SYSA-1052	Identify the specific information contained in a 802.11 packet header	5-35
2611-SYSA-1058	Perform configuration of routers and switches	5-38

2. **SIGINT 2000-LEVEL EVENTS.** Cryptologic Digital Network Technician/Analyst individual events.

EVENT	DESCRIPTION	PAGE
<b>ANALYSIS</b>		
2611-ANYS-2005	Create scripts	5-47
2611-ANYS-2006	Perform analysis of a computer storage device	5-47
<b>COLLECTION</b>		
2611-COLL-2001	Utilize buffer and heap overflows	5-45
2611-COLL-2007	Perform cloning of a target device	5-48
2611-COLL-2011	Coordinate with MAGTF Collection Manager for tactical CNE collection requirements	5-51
2611-COLL-2014	Supervise a CNE collection team	5-52
<b>PRODUCTION</b>		
2611-PROD-2004	Create a target template	5-46
2611-PROD-2008	Perform target development based on CNE intelligence	5-49
<b>PLANNING</b>		
2611-PLAN-2002	Act as a member of an IO cell when directed	5-45
2611-PLAN-2010	Perform function of mission manager for CNE operations	5-50
2611-PLAN-2012	Conduct target selection for Computer Network Operations	5-51
2611-PLAN-2013	Generate an assessment of key nodes and vulnerabilities	5-52
2611-PLAN-2015	Create a Computer Network Operations collection plan	5-53
2611-PLAN-2016	Provide IO cell with adversary C2 information	5-54
2611-PLAN-2017	Coordinate with external entities	5-54
<b>SYSTEMS ADMINISTRATION</b>		
2611-SYSA-2003	Demonstrate functional knowledge of a scripting language	5-46
2611-SYSA-2009	Manage sensitive systems in support of CNE operations	5-49

5003. SIGINT 1000-LEVEL EVENTS

2611-ANYS-1001 Perform session reconstruction

EVALUATION CODED (E-CODE): YES      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to reconstruct raw network data into usable sessions using the protocol analyzer.

BILLET: Digital Network Analyst/Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given applicable software, hardware and raw network data.

STANDARD: To reconstruct raw network data into usable sessions, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Install the protocol analyzer and configure it to run with the local hardware.
2. Execute the sniffer with the proper filters to collect the desired header information.
3. Disect the output to determine source and destination IP addresses, protocols used, etc.

REFERENCES:

1. Current Hardware/Software Manual
  2. USSIDs
- 

2611-ANYS-1002 Identify security mechanisms

EVALUATION CODED (E-CODE): YES      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to analyze raw data to determine the presence of security mechanisms within a target system or network such as network or host based firewalls and virus detection software.

BILLET: Digital Network Analyst/Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given applicable software, hardware, a target system/network and raw network data.

**STANDARD:** To determine what kind(s) are present on a target system/network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Analyze traceroute output.
2. Analyze portscanning output.
3. Determine the location and possible configuration of a firewall.

**REFERENCES:**

1. USSIDs
2. Current Hardware/Software Manual

---

**2611-ANYS-1003** Identify intrusion detection devices

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to analyze raw data to determine the presence of host or network based IDS hardware or software within a target network.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, a target system/network and raw network data.

**STANDARD:** To determine if and what kind(s) of intrusion detection devices are present on a target system/network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Analyze raw data.
2. Determine presence of IDS hardware or software.

**REFERENCES:**

1. USSIDs
2. Current Hardware/Software Manual

---

**2611-ANYS-1004** Identify operating systems

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will analyze raw data to determine device operating systems based on information found within the raw data.

**BILLET:** Digital Network Analyst/Operator



**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, a target system/network and raw network data.

**STANDARD:** To conduct network system operations in performance step sequence, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Use Internet sites to determine the last reported system configuration.
2. Perform passive network scans or banner grabs to determine host operating systems.

**REFERENCES:**

1. USSIDs
  2. Current Hardware/Software Manual
- 

**2611-ANYS-1005** Identify various network devices

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will analyze raw data to determine what hardware components are within the target network based on information found within the raw data.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, a target system/network and raw network data.

**STANDARD:** To determine what kinds of network devices are present on a target system/network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Analyze raw data to determine network devices via routing protocols.
2. Determine from traffic analysis where the ingress and egress points are located.

**REFERENCES:**

1. USSIDs
  2. Current Hardware/Software Manual
-

2611-ANYS-1006 Identify various servers

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will analyze raw data to identify network servers and services available within the target network based on information found within the raw data.

BILLET: Digital Network Analyst/Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given applicable software, hardware, a target system/network and raw network data.

STANDARD: To determine what kind(s) of servers are present on a target system/network, and their services, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Using a protocol analyzer, filter for specific ports.
2. Identify servers and the services associated with those servers.

REFERENCES:

1. USSIDs
  2. Current Hardware/Software Manual
- 

2611-ANYS-1007 Analyze traceroute results

EVALUATION CODED (E-CODE): YES      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will analyze the results of traceroutes to determine the path that data packets use to reach a given destination.

BILLET: Digital Network Analyst/Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given applicable software, hardware, access to the internet, whois database, and traceroute results.

STANDARD: To determine routing paths to/from a given target network, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify border gateway devices.
2. Identify satellite hops.

3. Identify underwater cables based on hop times.

**REFERENCES:**

1. USSIDs
2. Current Hardware/Software Manual

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**2611-ANYS-1008** Identify the access controls of firewalls

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will use raw network data and other information to determine the access policies of any firewalls found in a given network.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, a target system/network and raw network data.

**STANDARD:** To determine the access policies of any firewalls found in a given target network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Perform traceroutes of networks.
2. Analyze data for presence of possible firewall or router ACL.
3. Utilize non-ICMP traceroutes to identify possible running services.

**REFERENCES:**

1. USSIDs
2. Current Hardware/Software Manual

---

**2611-ANYS-1009** Create a network map

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine conducting Computer Network Operations in support of MAGTF operations, will create a map of a target network.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and network data to include SNMP and ICMP.

**STANDARD:** To identify individual devices, services, protocols, IP addresses, host names, MAC addresses, locations, peerage, linkage, and other information, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Perform WHOIS queries on IP addresses found in network traffic.
2. Perform TRACEROUTES to the network devices to get ingress and egress points and connectivity to the network.
3. Perform IP queries on sites such as Netcraft and Centralops (Domain dossier) to get host operation system information.

**REFERENCES:**

1. USSIDs
  2. Current Mapping Software Manual
- 

**2611-ANYS-1010** Analyze port scan results

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will analyze the results of computer/network port scans and determine any applications, services or unique operating systems that may be present.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, port scan results and raw port scan results.

**STANDARD:** To determine applications and operating systems present on a given target system/network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Perform a scan of well-known ports.
2. Determine the services on the network.

**REFERENCES:**

1. USSIDs
  2. Current Hardware/Software Manual
- 

**2611-ANYS-1011** Analyze ping TTL responses

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will analyze the results of computer ping responses to determine possible operating systems based on Time To Live (TTL)

responses.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and ping results.

**STANDARD:** To identify the possible operating system of a computer or device, within a time limit established by the commander.

**PERFORMANCE STEP:**

1. Analyze computer ping responses.
2. Determine operating systems.

**REFERENCE:**

1. USSIDs
- 

**2611-ANYS-1012** Identify potential target vulnerabilities

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will analyze available information concerning a given target system/network to determine any possible vulnerabilities that may be present.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, network data on a given target system/network, any previous analysis related to that target, and any other relevant information concerning the target.

**STANDARD:** To determine the vulnerabilities of a target system/network's design, current configuration of hardware or software, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Utilize security databases.
2. Identify vulnerabilities for hardware/software on target network/systems.

**REFERENCE:**

1. USSIDs
-

2611-ANYS-1013 Identify key nodes on a target network map

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to identify key nodes and possible chokepoints on a network map.

BILLET: Digital Network Analyst

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference, given applicable software, hardware, network map, and relevant target network.

STANDARD: To determine possible key nodes, chokepoints, devices, and paths, within a time limit established by the commander.

PERFORMANCE STEP:

1. Utilize a network map to identify servers.
2. Identify key network devices that control the flow of traffic in the network.

REFERENCE:

1. USSIDs
- 

2611-ANYS-1014 Decrypt targeted computers'/devices' passwords

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations using approved tools, will be able to decrypt a given target device's passwords.

BILLET: Digital Network Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference, given applicable software, hardware, a password file that can be decrypted using approved tools and a target computer/device.

STANDARD: To gain access into the targeted computer/device, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Load password file into applicable password cracking application.
2. Appropriately configure password-cracking application for intended attack per application user manual.

**REFERENCE:**

1. USSIDs

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**2611-ANYS-1015** Identify various network architectures

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, will be able to identify various network architecture designs such as Demilitarized Zones, Intranets, Belt and Suspender Firewall layouts etc.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and a map of a network.

**STANDARD:** To determine how to exploit it, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Utilize a network map.
2. Identify the DMZ, intranet and firewall layout of the network.

**REFERENCE:**

1. USSIDs

---

**2611-COLL-1016** Configure collection software

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to install and configure software on a computer system to conduct Computer Network Exploitation and Collection.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and a target system.

**STANDARD:** To conduct computer network exploitation and collection, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Install software.
2. Configure software.

**REFERENCES:**

1. USSIDs
  2. README Files/Course Manual
- 

**2611-COLL-1017** Utilize collection equipment

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will use appropriate collection equipment to collect network data.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and access to a target system.

**STANDARD:** To recover network all data from a given target system in the time allotted by the commander.

**PERFORMANCE STEP:**

1. Setup collection equipment.
2. Collect data.
3. Report collected data.

**REFERENCES:**

1. USSIDs
  2. Network System Manual
- 

**2611-COLL-1018** Utilize traceroute tools

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will use traceroute tools to gather routing information about a given target.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL



**CONDITION:** With the aid of references, given applicable software, hardware, access to a target system and internet.

**STANDARD:** To gain routing information about a given target system, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Utilizing a traceroute program, perform traceroutes to system in target network.
2. Analyzing the results from the program.
3. Identify network devices on networks.

**REFERENCES:**

1. USSIDs
  2. Hardware/Software Manuals
  3. Traceroute Main Page
- 

**2611-COLL-1019** Determine port availability

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will determine port availability of a given target, such as open, closed, or filtered and save the results for further analysis.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to a target system and internet.

**STANDARD:** To gather information about the port status of a target system, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Perform a port scan on a target system.
2. Analyze the output of a target system.
3. Identify open/closed or filtered ports on a target system.

**REFERENCES:**

1. USSIDs
  2. Course Manual
- 

**2611-COLL-1020** Utilize internet registrar databases tools

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will make use of Internet Registrar Databases and other tools to determine ownership of networks, domains and to determine IP block allocations.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a course manual, access to internet, and general target information.

**STANDARD:** To establish ownership of networks, domains and IP block allocations, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Utilize a Whois database such as Central Ops (Domain Dossier), IANNA, ARIN or APNIC.
2. Enter IP address from the target IP block into query box.
3. Analyze output and repeat queries based on output.

**REFERENCE:**

1. USSIDs

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**2611-COLL-1021** Conduct open source intelligence collection

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will conduct open source intelligence collection against a specified target, using resources such as Google (and other search engines), reverse directories, online map sources and other online tools for the purposes of creating a target package.

**BILLET:** Digital Network Analyst

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to the internet and general target information.

**STANDARD:** To aide in creating target packages, within a time limit established by the commander.

**PERFORMANCE STEP:**

1. Identify collection resources.
2. Utilize resources to create a target package.
3. Conduct data collection.

**REFERENCES:**

1. USSID 18
2. Course Manual

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**2611-COLL-1022** Utilize ping tools

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will use the ping tools for the purpose of gathering information about a target network or device, in order to solicit response information such as echo-reply, destination unreachable, host unreachable or other response as allowed by the reference.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, access to a target system and internet.

**STANDARD:** To obtain network and device information, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Ping target system.
2. Utilize ping tools.
3. Analyze results.

**REFERENCE:**

1. USSIDS

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**2611-DISS-1023** Prepare a Digital Network Intelligence Technical Report (DNITR)

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine conducting Computer Network Operations in support of MAGTF Operations, will be able to prepare a Digital Network Intelligence Technical Report (DNITR) on a given target in accordance with applicable USSIDS and other documents.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software and hardware.

**STANDARD:** To report information on a specific target, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify report resources.
2. Evaluate data.
3. Prepare a report.

**REFERENCE:**

1. USSID 300
- 

**2611-SYSA-1024** Identify key network devices in the OSI model

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, will be able to identify the key network devices that operate at specific layers of the OSI model, such as routers operate at layer 3, switches operate at layer 2 etc.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software and hardware.

**STANDARD:** To determine what layer the target operates in, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify all network devices.
2. Select key network devices.
3. Prepare report.

**REFERENCE:**

1. USSIDs
- 

**2611-SYSA-1025** List the port number ranges

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, will be able to list the TCP/UDP port number ranges.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and a computer with access to TCP/UDP ports.

**STANDARD:** To identify each well known, reserved and random, port and its associated ranges, within a time limit established by the commander.

**PERFORMANCE STEP:**

1. Identify TCP/UDP ports.
2. Identify TCP/UDP number ranges.

**REFERENCE:**

1. USSIDs
- 

**2611-SYSA-1026** Identify the 3 main IP classes

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, will be able to identify the 3 main classes of IP addressing and their respective assigned address ranges.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software and hardware.

**STANDARD:** To identify IP classes by name and their respective ranges, within a time limit established by the commander.

**PERFORMANCE STEP:**

1. List the main IP classes.
2. List the main IP ranges.

**REFERENCE:**

1. USSIDs
- 

**2611-SYSA-1027** Identify the different ICMP protocols

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network

Operations in support of MAGTF operations, will be able to identify ICMP protocols and their different types and codes that can be found in the ICMP header.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software and hardware.

**STANDARD:** To determine where protocols can be found in the ICMP header, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify ICMP protocols.
2. Identify ICMP codes.

**REFERENCE:**

1. Course Manual
  2. USSIDs
- 

**2611-SYSA-1028** Perform subnetting

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, will be able to determine the size of the subnet used, written in CIDR notation, and determine the possible number of hosts that can be found within that range.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, a network mask or IP address in CIDR notation.

**STANDARD:** To determine the possible number of hosts, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify subnet size.
2. Estimate number of hosts.

**REFERENCE:**

1. Course Manual
  2. USSIDs
-

2611-SYSA-1029 Identify the default location of log files

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, will be able to identify the default location of log files on Windows and Unix operating systems.

BILLET: Digital Network Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given applicable software, and hardware.

STANDARD: To facilitate file recovery, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify log file default location.
2. Recover log files.

REFERENCES:

1. USSIDs
  2. OS Manual
- 

2611-COLL-1030 Perform Unix host analysis

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to perform analysis of a Unix based computer host device to acquire information concerning a Unix host to include, but not limited to such information as hostname, IP address, default gateways, DNS servers, assigned domain names, active services, logging mechanisms, active processes, installed applications, user accounts, group membership, file and directory structure, shared or mounted directories, OS type and kernel version, installed patches, and host function within a larger network.

BILLET: Digital Network Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given applicable software, hardware, and using native Unix commands from a remote shell.

STANDARD: To acquire information concerning a Unix host, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify Unix based devices.
2. Collect information.
3. Analyze Unix data.

**REFERENCES:**

1. USSIDs
  2. Unix/Linux OS Manual
- 

**2611-SYSA-1031** Utilize the Unix operating system

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, must be able to use Unix tools and commands to manipulate the Unix file and operating system, and will be able to perform various functions such as but not limited to changing file permissions and ownership, editing files, finding files or strings of text, adding or removing user accounts, creating or removing directories, modifying network functions (IP address, hostname, netmask, etc...), archiving files, and starting or stopping processes.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and access to a computer loaded with a Unix Operating System.

**STANDARD:** To manipulate files and system SETTING, demonstrating the ability to access data in the time allotted by the commander.

**PERFORMANCE STEPS:**

1. Identify Unix tools.
2. Utilize Unix operating systems.
3. Perform Unix operational functions.

**REFERENCES:**

1. USSIDs
  2. Unix/Linux OS Manual
- 

**2611-SYSA-1032** Perform data transfer using FTP and SCP

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, must be able to transfer data across a network using protocols such as FTP or SCP.



**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and access to a computer loaded with a Unix or Windows Operating System.

**STANDARD:** To transfer data across a network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. FTP to IP address of target.
2. Locate information of interest.
3. Utilize "get" or "put" command to upload or download data.

**REFERENCES:**

1. USSIDs
  2. OS Manual
- 

**2611-SYSA-1033** Configure a Unix system for TCP/IP networking

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, must be able to configure a Unix system to act as part of a larger network.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to a computer configured with a Unix Operating System and appropriate network information.

**STANDARD:** To establish part of a larger network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Ensure proper installation of the networking hardware.
2. Assign IP addresses, NetMask, Hostname and default gateway.
3. Ensure the network interface is properly functioning and passing network traffic.

**REFERENCES:**

1. USSIDs
  2. Current/Appropriate Unix/Linux OS Manual
-

**2611-SYSA-1034** Configure a Unix system for dial-up communications

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, must be able to properly configure a Unix system to use dial-up networking in order to access the internet.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to a computer configured with a Unix Operating System, appropriate dial-up information, and access to a working phone line.

**STANDARD:** To utilize dial-up networking in order to access the internet, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify Unix system resources.
2. Configure Unix systems.

**REFERENCES:**

1. USSIDs
  2. Unix/Linux OS Manual
- 

**2611-SYSA-1035** Configure a Unix system for VPN

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, should be able to properly configure a Unix system to use Virtual Private Networking.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to a computer configured with a Unix Operating System, an operational VPN and appropriate network information.

**STANDARD:** To utilize VPN for secure communications across a network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify VPN Unix system resources.
2. Configure VPN Unix systems.

**REFERENCES:**

1. USSIDs
  2. Unix/Linux OS Manual
  3. VPN software manual
- 

**2611-SYSA-1036** Conduct remote sessions using telnet and secure shell

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, should be able to use telnet and SSH in order to access remote devices.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to a computer, a working network and user access to the remote device.

**STANDARD:** To successfully interact across a network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Utilizing protocol of choice, connect to host system.
2. Authenticate with user name and password.

**REFERENCES:**

1. USSIDs
  2. Telnet main page
  3. Unix/Linux OS Manual
- 

**2611-COLL-1037** Perform Windows host analysis

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to perform analysis of a Windows based computer host device to acquire information concerning a Windows host to include, but not limited to such information as hostname, IP address, default gateways, DNS servers, assigned domain names, active services, Domain Membership, active processes, installed applications, user accounts, group membership, file and directory structure, shared directories, OS type and version, installed patches and service packs, and host function within a larger network.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and using native Windows commands from a remote shell.

**STANDARD:** To acquire information concerning a Windows host, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify Windows based computer devices.
2. Utilize Windows operating systems.
3. Perform analysis.

**REFERENCES:**

1. USSIDs
2. Windows OS Manual

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**2611-COLL-1038** Perform network reconnaissance of a targeted network

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to perform network reconnaissance of a target network using native commands from a remote shell, to acquire information concerning a target network to include, but not limited to such information as other members of a domain or workgroup, their IP addresses and hostnames, servers in a domain or workgroup and their function, Domain controllers, trusted domains, global groups and their membership.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and using native windows commands from a remote shell.

**STANDARD:** To acquire network information, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify target network commands.
2. Collect network data.

**REFERENCES:**

1. USSIDs
  2. Windows OS Manual
-

**2611-SYSA-1039** Use Windows commands via the command line interface

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, must be able to use the command line interface (CLI, "Command Prompt" or "DOS Prompt") of a Windows host in order to manipulate remote windows systems, and will be able to perform various functions such as but not limited to changing file permissions and ownership, editing files, finding files or strings of text, determining user accounts and group membership, adding or removing user accounts, creating or removing directories, determining network SETTING (IP address, hostname, MAC address, domain relationship etc.), and starting or stopping processes.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to a computer using the Windows 2000 or newer operating system, and access to the Windows 2000 Resource Kit or similar tools.

**STANDARD:** To manipulate files and system SETTING, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify Windows Network commands.
2. Utilize Windows Network commands.
3. Perform Windows Network functions.

**REFERENCES:**

1. USSIDs
  2. Windows 2000 Command Reference Pocket Guide
- 

**2611-SYSA-1040** Configure a Windows system for TCP/IP networking

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, must be able to configure a Windows host to act as part of a larger network.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, a computer loaded with the Windows Operating system, access to a working network and appropriate network information.

**STANDARD:** To act as part of a larger network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Ensure proper installation of the networking hardware, i.e. drivers.
2. Assign IP addresses, NetMask, Hostname and default gateway.
3. Ensure the network interface is properly functioning and passing network traffic.

**REFERENCES:**

1. USSIDs
2. Windows OS Manual

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**2611-SYSA-1041** Configure a Windows system for dial-up communications

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, must be able to properly configure a Windows system to use dial-up networking in order to access the internet.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to a computer configured with a Windows Operating System, appropriate dial-up information, and access to a working phone line.

**STANDARD:** To use dial-up networking in order to access the internet, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify Windows system resources.
2. Establish dial-up communications.

**REFERENCES:**

1. USSIDs
2. Windows OS Manual

---

**2611-SYSA-1042** Configure a Windows system for VPN

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, should be able to properly configure a Windows system to use Virtual Private Networking.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, access to a computer configured with a Windows Operating System, an operational VPN and appropriate network information.

**STANDARD:** To use VPN for secure communications across a network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify Windows system resources.
2. Establish a VPN Windows system.

**REFERENCES:**

1. USSIDs
  2. Windows OS Manual
  3. VPN software manual
- 

**2611-SYSA-1043** Utilize the documents that govern the conduct of SIGINT with respect to CNE

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, must be familiar with the guiding documents that govern the conduct of SIGINT with respect to CNE operations.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Without the aid of references and given writing tools.

**STANDARD:** To list legal limitations with respect to privacy and U.S. Systems, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify legal CNE limitations.
2. Utilize SIGINT documents linked to CNE operations.

**REFERENCES:**

1. USSID DA3655
  2. USSID 18
  3. USC Title 50
  4. NSD-42
- 

**2611-SYSA-1044** Identify MAC filtering

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to identify MAC filtering when used as a security mechanism in a Wireless Networking environment and how this form of security can be bypassed.

BILLET: Digital Network Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given applicable software, hardware, and a target system.

STANDARD: To perform a system bypass, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify computer network resources.
2. Identify MAC filtering used for security networking.

REFERENCES:

1. Course Manual
2. USSIDs

---

2611-ANYS-1045 Identify wireless information from a targeted device

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to determine data specific to Wireless Devices from raw network data, to include but not limited to such information as device SSID, MAC Addresses, Channel assignment, frequencies, Signal Strength, encryption method being utilized and device function within the wireless network.

BILLET: Digital Network Analyst/Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference, given applicable software, hardware, and raw data of wireless networks.

STANDARD: To extract information for exploitation, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Utilize wireless collection suites.
2. Collect network information from target networks.



2. Analyze data and identify desired information.

**REFERENCE:**

1. USSIDs

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**2611-ANYS-1046** Generate a logical map of wireless devices

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to generate a localized map of wireless devices using raw network data.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and raw wireless collection data.

**STANDARD:** To generate a map containing the approximate locations of wireless devices and their respective SSID, within a time limit established by the commander, in accordance with the reference.

**PERFORMANCE STEPS:**

1. Collect required data to populate a network map using a collection suite.
2. Input to a network-mapping tool the required file format.
3. Analyze and populate the network map.
3. Identify information.

**REFERENCE:**

1. USSIDs

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**2611-ANYS-1047** Perform decryption of WEP

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to decrypt WEP encrypted data to recover the WEP key.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and raw wireless collection data.

**STANDARD:** To recover a target WEP key, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Collect data packets.
2. Identify Initialization Vectors.
2. Run capture file against a WEP cracking tool to recover the WEP key.

**REFERENCE:**

1. USSIDS
- 

**2611-COLL-1048** Install and configure wireless collection software

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to install and configure wireless collection and related software on a computer system.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and a target system.

**STANDARD:** In utilize the system as a collection platform for wireless signals, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Install software.
2. Configure wireless collection on computer systems.

**REFERENCE:**

1. USSIDs
- 

**2611-COLL-1049** Plot wireless devices

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to plot the instances of wireless devices on mapping software.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given mapping software, hardware, targeting information files to include latitude and longitude and information about individual devices.

**STANDARD:** Plot instances to mapping software, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Collect data on collection platform organic to the mission.
2. Take associated files, with GEO coordinates, and import into an Excel spreadsheet.
3. Delete data not needed for mapping from saved file.
4. Import saved file into mapping software.

**REFERENCES:**

1. Mapping Software Manual.
2. USSIDs

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**2611-COLL-1050** Conduct network association of a client to a wireless network

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to associate a wireless client to a wireless access point (WAP).

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and available wireless information such as WEP or WPA key string, or SSID.

**STANDARD:** To successfully gain access to a local area network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Establish wireless clients to wireless access points (WAP).

**REFERENCE:**

1. USSIDs

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**2611-SYSA-1051** List the frequencies and channels associated with the 802.11 protocol

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, should be able to list the

frequencies and channel assignments that are assigned to the various 802.11 protocols.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Without the aid of reference and given writing tools.

**STANDARD:** To include both U.S. and Non-U.S. standards, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. List frequency and channel assignments.

**REFERENCE:**

1. USSIDs
- 

**2611-SYSA-1052** Identify the specific information contained in a 802.11 packet header

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, should be able to detect a 802.11 header in captured network traffic and should be able to identify 802.11 unique information that is contained within that header.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and network traffic containing 802.11 packets.

**STANDARD:** To include the SSID and encryption schemes from the network packet, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Detect an 802.11 header in network traffic.
3. Identify SSID network information.

**REFERENCE:**

1. USSIDs
-

2611-ANYS-1053 Perform analysis of GPS devices

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will extract information from a given GPS device, such as Maps and Waypoints for further analysis.

BILLET: Digital Network Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference, given applicable software, and hardware.

STANDARD: To extract the contained information, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify network resources.
2. Analyze information from GPS devices.

REFERENCE:

1. GPS Users Manual
  2. USSIDs
- 

2611-COLL-1054 Perform media exploitation of a GPS device

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, when provided a GPS device, will be able to extract information that has been stored within that device for further analysis.

BILLET: Digital Network Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference, given applicable software and hardware.

STANDARD: To successfully extract stored information, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify network resources.
2. Extract information from GPS devices.

**REFERENCE:**

1. GPS Users Manual
2. USSIDs

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**2611-ANYS-1055** Identify network routing

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to analyze a target router configuration file and determine network routes used by the target device.

**BILLET:** Digital Network Analyst

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and a router configuration file.

**STANDARD:** To determine network routes used by the target device, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Create network map.
3. Analyze data.

**REFERENCES:**

1. USSIDs
2. Network Router Manual

---

**2611-ANYS-1056** Identify access control lists

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to analyze a target router configuration file and determine access control lists entries in that file including but not limited to, what services or protocols are allowed or blocked, what direction of flow the access entry permits or denies, and the names of the particular access lists found in the configuration.

**BILLET:** Digital Network Analyst

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware,

and a router configuration file.

**STANDARD:** To establish information about the entries of access control, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify access requirements.
2. Create map based on Access Control list.

**REFERENCES:**

1. USSIDs
2. Router Manual

---

**2611-ANYS-1057** Identify the presence of Virtual Private Networks (VPNs)

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to identify the presence Virtual Private Networks (VPN) in use within a target network, based on the presence of IPsec packets, IKE exchanges and other related packets and protocols found in collected network traffic.

**BILLET:** Digital Network Analyst/Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and raw network traffic.

**STANDARD:** To determine their use within a target network, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Identify IPsec packets and IKE exchanges using an appropriate protocol analyzer.
3. Identify Virtual Private Networks (VPNs).

**REFERENCES:**

1. USSIDs
2. VPN Software Manual

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**2611-SYSA-1058** Perform configuration of routers and switches

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, should be able to perform

configuration of and modification to routers and switches.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and terminal access to a router or switch.

**STANDARD:** To access Control Lists and transfer stored config files, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Configure routers.
3. Configure switches.

**REFERENCES:**

1. Router/Switch Manual
  2. USSIDs
- 

**2611-ANYS-1059** Utilize national databases

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, must be able to access and use various national databases to obtain DNI about applicable targets.

**BILLET:** Digital Network Analyst

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and access to national databases.

**STANDARD:** To gather DNI about a selected target, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Utilize databases.
3. Collect information.

**REFERENCES:**

1. Database User Manual
  2. USSIDs
-



2611-ANYS-1060 Utilize Digital Network Intelligence Technical Reports  
(DNITR's)

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 4

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to extract information about a target from Digital Network Intelligence Technical Reports.

BILLET: Digital Network Analyst

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference, given applicable software, hardware, and DNI Technical Reports.

STANDARD: To extract technical data concerning a target of interest, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify network resources.
2. Utilize reports.
3. Collect information.

REFERENCE:

1. USSIDs
- 

2611-COLL-1061 Counter methods of intrusion

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to identify various methods of intrusion used to conduct those intrusions, focusing on techniques of stealth and non-attribution.

BILLET: Digital Network Operator

GRADE: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given applicable software, and hardware.

STANDARD: To stealthily and non-attribute intrude on a target system, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify network resources.
2. Utilize counter-intrusion techniques.

**REFERENCES:**

1. Course Manual
2. USSIDs

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**2611-COLL-1062** Extract data from a targeted device

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to extract pertinent data from a target device.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, remote access to targeted device via a remote shell, a requirement to extract data from the device and a list of information to locate.

**STANDARD:** To satisfy the requirement list extracting data, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Extract data.

**REFERENCES:**

1. Course Manual
2. USSID DA3655

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**2611-COLL-1063** Utilize remote backdoors

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 12

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to utilize remote backdoors as they pertain to computer network exploitation.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware and a target system.

**STANDARD:** To facilitate computer network exploitation, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Utilize remote backdoors for network exploitation.

**REFERENCES:**

1. Course Manual
  2. USSID DA3655
- 

**2611-COLL-1064** Utilize a port redirector

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to successfully install and use a port redirector on jump point between the local user and the target device.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, a remote shell access to an intermediate host (jump point) and target device.

**STANDARD:** To access resources on the target device, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Install a port redirector.
3. Utilize a port redirector.

**REFERENCES:**

1. Course Manual
  2. USSIDs
- 

**2611-COLL-1065** Conduct target exploitation

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to exploit a target device.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and a vulnerable target device.

**STANDARD:** To gather information on a target device, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Utilize information on target devices.

**REFERENCES:**

1. USSID DA3655
  2. Station USSID
- 

**2611-COLL-1066** Install a software sniffer on a target device

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to install approved software sniffing tools on a remote target.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and remote access to a target device.

**STANDARD:** To obtain information on a target device, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Install software sniffer.
3. Collect information.

**REFERENCES:**

1. USSIDs
  2. Sniffer Manual/Guide
- 

**2611-COLL-1067** Install a software keylogger

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to install approved software keystroke logging tools on a remote target.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, and remote access to a target device.

**STANDARD:** To gather information on a target device, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Install software.
3. Collect information.

**REFERENCES:**

1. USSIDs
  2. Keylogger Manual/Guide
- 

**2611-COLL-1068** Install a backdoor

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to install backdoor tools on a remote target.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of reference, given applicable software, hardware, and remote access to a target device.

**STANDARD:** To facilitate computer network exploitation, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify network resources.
2. Install backdoor tools.

**REFERENCE:**

1. Course Manual
  2. USSIDs
-

5004. SIGINT 2000-LEVEL EVENTS

2611-COLL-2001 Utilize buffer and heap overflows

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

DESCRIPTION: A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to describe what buffer and heap overflows are.

BILLET: Digital Network Operator

GRADE: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of reference, given applicable software, hardware

STANDARD: To create exploitation opportunities against vulnerable programs, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify network resources.
2. Utilize exploitation tools.

REFERENCE:

1. Course Manual
  2. USSIDs
- 

2611-PLAN-2002 Act as a member of an IO cell when directed

EVALUATION CODED (E-CODE): NO      SUSTAINMENT INTERVAL: 12

EVENT DESCRIPTION: A SIGINT Marine, in support of MAGTF operations, may be required to act as a member of an IO cell to support Computer Network Operations requirements or planning.

BILLET: Digital Network Operations Team Leader

GRADE: SSGT, GYSGT, MSGT, MGYSST

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references and directed or tasked by competent authority.

STANDARD: To support CNO operations or planning, in the time allotted by the commander.

PERFORMANCE STEPS:

1. Review CNO section of the MAGTF commander's IO campaign plan.
2. Identify and/or validate CNO requirements and information as necessary in order to accomplish commander's overall IO intent.

3. Coordinate tasking, as needed, for supporting CNO units to conduct operations in order to achieve commander's overall IO objective.
4. Reevaluated collected data and/or battle damage assessments for further tasking if necessary.

**REFERENCES:**

1. JP 3-13
2. MCWP 3-40.4
3. USSID DA3655
4. USSID 222 Implementation Plan

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**2611-SYSA-2003** Demonstrate functional knowledge of a scripting language

**EVALUATION CODED (E-CODE):** YES      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, who is expected to conduct Computer Network Operations in support of MAGTF operations, should possess a functional working knowledge of a scripting language.

**BILLET:** Digital Network Operator

**GRADE:** SGT, SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** With the aid of reference, given applicable software, and hardware.

**STANDARD:** To perform basic functions such as manipulating text or files or executing a given set of actions or programs, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify computer language resources.
2. Utilize computer language resources.

**REFERENCE:**

1. Computer Language Manuals
2. USSIDs

---

**2611-PROD-2004** Create a target template

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 6

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to create a target template.

**BILLET:** Digital Network Operations Team Leader

**GRADE:** SSGT, GYSGT, MSGT, MGYSST

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** With the aid of reference and directed or tasked by competent authority, in order to satisfy collection tasking or intelligence requirements.

**STANDARD:** To facilitate targeting, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify target template resources.
2. Prepare a target template.

**REFERENCE:**

1. USSID DA3655
- 

**2611-ANYS-2005** Create scripts

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, should be able to create various script programs to parse and manipulate data, including but not limited to, taking a data file and manipulating it by creating automated searches, reordering data, reformatting data for input to other software, parsing files and extracting information for various uses and further analysis.

**BILLET:** Digital Network Operator

**GRADE:** SGT, SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** With the aid of reference, given applicable software, hardware, and data files.

**STANDARD:** To parse and manipulate data, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify script program resources.
2. Prepare a script program.

**REFERENCE:**

1. Computer Language Manuals
  2. USSIDs
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**2611-ANYS-2006** Perform analysis of a computer storage device

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4



**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will perform initial analysis of a computer storage device for technical & tactical intelligence, including but not limited to, deleted files, user accounts, email, internet usage, and various resident data files.

**BILLET:** Digital Network Operator

**GRADE:** SGT, SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** With the aid of references, given applicable software, and hardware.

**STANDARD:** To provide technical & tactical intelligence, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify computer storage devices.
2. Analyze computer storage devices for information.

**REFERENCES:**

1. USSIDs
  2. Hardware/Software Manuals
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**2611-COLL-2007** Perform cloning of a target device

**EVALUATION CODED (E-CODE):** NO      **SUSTAINMENT INTERVAL:** 4

**DESCRIPTION:** A SIGINT Marine, conducting Computer Network Operations in support of MAGTF operations, will be able to clone a target device.

**BILLET:** Digital Network Operator

**GRADE:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** With the aid of references, given applicable software, hardware, tools and access to the target device.

**STANDARD:** To perform a bit for bit image clone for further analysis, within a time limit established by the commander.

**PERFORMANCE STEPS:**

1. Identify target devices.
2. Clone a target device.

**REFERENCES:**

1. USSIDs
  2. Hardware and Software Manuals
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